



4-H Section

7th Grade Division



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| Q. What current 4-H event was originally named State Club Camp in 1923? | 4HH |
| A. Tennessee 4-H Roundup | |
| Q. What Tennessee symbol was placed at the National 4-H Center in Washington, by Tennessee 4-H'ers in 1970? | 4HH |
| A. A Tulip Poplar Tree Was Planted | |
| Q. What is the award given the 4-H family who has shown "exceptional participation in all phases of 4-H club work?" | 4HH |
| A. The Hale Master 4-H Family | |
| Q. Which war helped to initiate the 4-H club program? | 4HH |
| A. World War I | |
| Q. State 4-H Round-Up is held at two different locations in Tennessee. Name these locations. | 4HH |
| A. UT Knoxville and UT Martin | |
| Q. What two organizations served as the forerunners of 4-H in Tennessee? | 4HH |
| A. The Tomato (girls) and Corn Clubs (boys) | |
| Q. What Federal Law provided the funding for the 4-H program in the United States? | 4HH |
| A. The Smith-Lever Act (of 1914) | |
| Q. How were Tennessee 4-H'ers honored for their contribution to the World War II war effort? | 4HH |
| A. They got to name a ship (S.S. Charles A. Keffer) | |
| Q. What is the first order of business in any 4-H meeting? | 4HL |
| A. The President Calls the Meeting to Order. | |
| Q. What was the first state-wide 4-H event in Tennessee? | 4HH |
| A. State 4-H Roundup (started in 1923 originally called "State Club Camp") | |
| Q. Where did southern Middle Tennessee counties attend 4-H camp before moving to Crossville in 1960? | 4HH |
| A. Camp Woodlee (near McMinnville) | |
| Q. What did Tennessee 4-H do to celebrate Homecoming '86? | 4HH |
| A. Compiled a History on Tennessee 4-H - "4-H a Tennessee Tradition" | |
| Q. At the 1970 Tennessee 4-H Congress, each county delegation brought something from their county. What was it? | 4HH |
| A. A soil sample (the samples were sent to help nourish the Tennessee State tree planted at the National 4-H Center) | |
| Q. Which 4-H officer is in charge of arranging the room for the meeting? | 4HL |
| A. The Vice-President | |
| Q. The 4-H Clover Bowl was held for the first time in what county? | 4HH |
| A. Wilson County (1994) | |



- Q. Adults, teens, and volunteers are examples of what group of people who help agents conduct the 4-H program? 4HL
A. Leaders
- Q. Name the two Universities are most closely associated with the Tennessee 4-H program? 4HH
A. University of Tennessee and Tennessee State University
- Q. At what 4-H event is the 4-H Governor elected? 4HL
A. Tennessee 4-H Congress
- Q. Which 4-H officer presides in the President's absence? 4HL
A. The Vice-President
- Q. Which 4-H officer's main duty is to preside over the meetings? 4HL
A. The President
- Q. How many 4-H regions are there in Tennessee? 4HL
A. Three
- Q. What is the name of the state-wide leadership organization designed for Sr. High 4-H'ers? 4HL
A. 4-H All-Stars
- Q. What is the name of the leadership organization designed for 7th and 8th grade 4-H'ers? 4HL
A. 4-H Honor Club
- Q. 4-H members in Tennessee are in a sense students at what University? 4HH
A. The University of Tennessee
- Q. What form must a 4-H Agent or volunteer leader have before a 4-H'er can attend an event? 4HE
A. The 600A Form or the Angel Form
- Q. What is the Tennessee 4-H website address? 4HE
A. www.utextension.utk.edu/4h
- Q. What is the reference date used in 4-H for grade? 4HE
A. Jan. 1st of current year
- Q. What were 4-H Agents originally referred to in Tennessee? 4HH
A. Demonstration Agents
- Q. Who is considered to be the first 4-H member in Tennessee? 4HH
A. Mertie Hardin
- Q. What is the title of a person employed by the University of Tennessee to conduct the 4-H program? 4HH
A. A 4-H agent
- Q. The 4-H program in Tennessee is organized and maintained by what two educational institutions? 4HH
A. The University of Tennessee and Tennessee State University



4-H Section

7th Grade Division



- Q. What UT sports legend and Basketball Hall of Fame member was a 4-H member in Tennessee? 4HH
A. Pat Head Summitt, Coach of the Lady Vols Basketball Team
- Q. What is the name of the organization that administers the 4-H program in Tennessee? 4HH
A. UT Extension (University of Tennessee Extension)
- Q. What person wrote the 4-H motto? 4HH
A. Carrie Harrison
- Q. What is the title of the person who officially heads up the 4-H program in Tennessee? 4HL
A. State 4-H Director
- Q. What current 4-H event was named Tennessee 4-H Club Short Course in 1939? 4HH
A. Tennessee 4-H Roundup
- Q. What Nashville weather man was a 4-H member from Dyer County, and emceeds the State 4-H History Bowl? 4HH
A. Lelan Statom (Channel 5) (Pronounced LEE-LUN STATE-UM)
- Q. How did 4-H members originally pay for camp, and how did that differ from the way campers pay today? 4HH
A. 4-H members paid in produce, such as a bushel of corn, etc.
- Q. What did Tennessee 4-H members wear to National Congress for the first time in 1947? 4HH
A. The white sweaters with the Vol State emblem.
- Q. In what unique way did German POWs decorate what is now the Clyde M. York 4-H Center in Crossville? 4HH
A. They painted murals on the walls of the Rec Hall (The murals were scenes from their homeland.)
- Q. In what state was the 4-H All-Star program first organized? 4HH
A. West Virginia
- Q. According to 4-H legend, who stalks around Clyde M York 4-H Center at night looking for his lost leg? 4HH
A. The mythical German POW "Herman the German"
- Q. What was the official name of the POW Camp, now known as Clyde M York 4-H Center? 4HH
A. "Camp Crossville"
- Q. What 4-H organization was formed in 1953 to raise funds for 4-H in Tennessee? 4HH
A. The Tennessee 4-H Foundation
- Q. Who wrote the 4-H Pledge? 4HH
A. Otis Hall (from Kansas)
- Q. Who served the longest as State 4-H Leader in Tennessee? 4HH
A. G.L. Herrington



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| Q. What does TAE4-HW mean? | 4HL |
| A. The Tennessee Association of Extension 4-H Workers | |
| Q. What is the traditional date of National 4-H Week? | 4HS |
| A. The first full week in October | |
| Q. What is the name of the collective group of officers installed at State 4-H Roundup? | 4HL |
| A. The State 4-H Council | |
| Q. What are the 4 “H’s”? | 4HS |
| A. Head, Heart, Hands, and Health | |
| Q. The 4-H emblem was adopted in what year? | 4HS |
| A. 1927 | |
| Q. What 4-H symbol is copyrighted? | 4HS |
| A. The 4-H Clover | |
| Q. 4-H members pledge their health to what? | 4HS |
| A. Better Living | |
| Q. What is the 4-H Motto? | 4HS |
| A. To Make the Best Better! | |
| Q. What are the 4-H colors? | 4HS |
| A. Green and White | |
| Q. What is the 4-H Emblem? | 4HS |
| A. A Four-Leaf Clover | |
| Q. 4-H members pledge their hands to what? | 4HS |
| A. Larger Service | |
| Q. 4-H members pledge their hearts to what? | 4HS |
| A. Greater Loyalty | |
| Q. What is the name of the official Tennessee 4-H History? | 4HS |
| A. 4-H: A Tennessee Tradition | |
| Q. What is the 4-H slogan? | 4HS |
| A. Learn by Doing | |
| Q. Which 4-H project could be defined as learning how to influence people to make some kind of change? | 4HP |
| A. Leadership | |
| Q. The 4-H Pledge was adopted in what year? | 4HS |
| A. 1927 | |



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| Q. What is the name of the inspirational part of the 4-H club meeting? | 4HS |
| A. Thought for the Day | |
| Q. What phrase was not part of the original 4-H pledge? | 4HS |
| A. "and my world" | |
| Q. 4-H members pledge their heads to what? | 4HS |
| A. Clearer Thinking | |
| Q. What is the All Star motto? | 4HS |
| A. Service | |
| Q. Don Bowman made what in 1948, which is handed down each year to the state 4-H Council President? | 4HS |
| A. The Gavel | |
| Q. The "Tradition of the Gavel" refers to the gavel constructed by Don Bowman containing a piece of cherry wood from what original courthouse? | 4HS |
| A. Washington County (the oldest county in Tennessee) | |
| Q. What is the name of the medal presented in Tennessee to State 4-H winners? | 4HS |
| A. The Leula Lee (pronounced EYE-OOO-LA) | |
| Q. Which 4-H group actually has adopted a fifth "H"? | 4HS |
| A. The 4-H Honor Club (The "H" of course stands for Honor) | |
| Q. Which 4-H symbol by law cannot be covered in any way by text or graphics when printed? | 4HS |
| A. The 4-H Clover | |
| Q. In which pledge would you face the group not the flag? | 4HS |
| A. The 4-H Pledge | |
| Q. What is the name of the building on the UT campus in which the State 4-H Office is located? | 4HL |
| A. Morgan Hall | |
| Q. What is another term for a written record of the 4-H club meeting? | 4HL |
| A. The Minutes | |
| Q. Any person, other than an agent, who works with 4-H members in any capacity is called a what? | 4HL |
| A. A 4-H Volunteer Leader | |
| Q. Which 4-H officer's main duty is to get someone to do parts of the program? | 4HL |
| A. The Vice-President | |
| Q. Which 4-H officer has the duty of checking the roll? | 4HL |
| A. The Secretary (although this is often done silently) | |
| Q. What is another word used to dismiss a 4-H club meeting? | 4HL |
| A. Adjourn (UH JURN) | |



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| Q. What happens if there are no corrections to the minutes? | 4HL |
| A. They "stand approved as read" | |
| Q. What is the highest elected office that a 4-H member can obtain in Tennessee 4-H? | 4HL |
| A. State 4-H Council President (Elected at State 4-H Round-Up) | |
| Q. At what grade in school can 4-H Honor Club members become All Stars? | 4HL |
| A. Current 9th Grade Members | |
| Q. What award, given at State Round-Up, is the highest level of recognition a 4-H member in Tennessee can receive? | 4HL |
| A. The Vol State Award | |
| Q. How many adults served as 4-H Volunteers each year in Tennessee? | 4HL |
| A. About 15,000 (If they guess a number, it needs to be between 14,000 and 16,000.) | |
| Q. When leading the 4-H Pledge and the Pledge of Allegiance, which pledge should be led first? | 4HS |
| A. The Pledge of Allegiance | |
| Q. 4-H is open to young people of what age range? | 4HE |
| A. Ages 9 to 19 | |
| Q. Which 4-H officer's main duty is the writing of the minutes? | 4HL |
| A. The Secretary | |
| Q. What was the original use of the 4-H camp at Crossville? | 4HH |
| A. World War II Prisoner of War Camp | |
| Q. Former 4-H members, who are students at Tennessee Tech, MTSU and the University of Tennessee, can still take part in 4-H activities through what organization? | 4HL |
| A. Collegiate 4-H | |
| Q. Becoming a better more responsible citizen is taught in which 4-H project? | 4HP |
| A. Citizenship | |
| Q. What is the most popular 4-H Animal Science project? | 4HP |
| A. Horse | |
| Q. How many projects are offered to Tennessee 4-H members? | 4HP |
| A. 26 | |
| Q. In which 4-H project would you work with younger 4-H members, and learn more about parliamentary procedure? | 4HP |
| A. Leadership | |
| Q. Service learning is part of what 4-H project? | 4HP |
| A. Citizenship | |
| Q. Which 4-H project is generally considered to be the first one organized in Tennessee? | 4HP |
| A. Food Preservation (in 1912) (now part Food Science project) | |



- Q. What is the newest 4-H project? 4HP
A. Computers and Technology
- Q. This is the smallest 4-H project, although this fact may "bug" some people. 4HP
A. Entomology
- Q. What is the name of the 4-H All-Star officer who serves as the secretary? 4HL
A. The Scribe
- Q. State Academic Conference is open to 4-H members of what age group? 4HA
A. Junior High (6th, 7th, & 8th Grades)
- Q. In the 4-H Target SMART program, what does the acronym "SMART" stand for? 4HA
A. Shotgun, Muzzleloader, Archery and Rifle Training
- Q. At what senior 4-H event would you take a college tour? 4HA
A. State 4-H Roundup
- Q. During what time of the year does Tennessee 4-H Congress take place? 4HA
A. Spring
- Q. At which national 4-H citizenship event might members visit sites such as the White House, Monticello, and Mount Vernon? 4HA
A. Citizenship Washington Focus
- Q. At what state 4-H event, do 4-H members participate in "Know Your Government" activities? 4HA
A. Tennessee 4-H Congress
- Q. Where has National 4-H Congress been held since 1997? 4HA
A. Atlanta, Georgia
- Q. Name the group of teens who promote 4-H by singing and dancing....performing most notably at Tennessee 4-H Congress. 4HA
A. The Tennessee 4-H Performing Arts Troupe
- Q. What is the name of the inspirational ceremony which takes place at camp right about sundown? 4HA
A. Flag Retreat
- Q. What is the name of the inspirational ceremony which takes place at 4-H camp right after sunrise? 4HA
A. Flag Raising
- Q. Target SMART is held at which 4-H Center? 4HA
A. William Ridley (Columbia)
- Q. At what 4-H event might members see the Changing of the Guard at the Tomb of the Unknown Soldier? 4HA
A. Citizenship Washington Focus
- Q. In how many 4-H contests must you participate in order to be eligible for Junior 4-H camp? 4HE
A. None



- Q. State 4-H winners in Leadership, Citizenship, and Public Speaking are crowned at what 4-H event? 4HA
A. Tennessee 4-H Congress
- Q. The Clyde M. York 4-H Center is located in what Tennessee town? 4HA
A. Crossville
- Q. The Clyde Austin 4-H Center is located in what Tennessee town? 4HA
A. Greeneville
- Q. In what Tennessee city does State 4-H Electric Camp take place? 4HA
A. Knoxville
- Q. Name the 4-H Center located in Columbia. 4HA
A. William P Ridley 4-H Center
- Q. Where does Tennessee 4-H Congress take place? 4HA
A. Nashville
- Q. What is the name of the inspirational ceremony held at the end of each day at 4-H camp? 4HA
A. Vespers
- Q. At which state event do members wear green 4-H sweaters as part of their official dress? 4HA
A. Tennessee 4-H Congress
- Q. At what 4-H event might members go shopping at the mall and participate in a fashion show? 4HA
A. 4-H Fashion & Design Conference
- Q. Citizenship Focus, a national 4-H event dealing with government, takes place in what city? 4HA
A. Washington, D.C.
- Q. In what year did the 4-H Camp at Crossville open? 4HH
A. 1950
- Q. At which State 4-H event do 4-H members act as representatives and senators? 4HA
A. Tennessee 4-H Congress
- Q. What does the term "extemporaneous" mean as it relates to 4-H? (Pronounced X-TEMP-POUR-RAIN-EE-US) 4HC
A. An unprepared speech (Senior members do this in addition to a prepared speech)
- Q. 4-H is open to young people of what school grades? 4HE
A. 4th through 12th Grades
- Q. What 4-H event traditionally takes place right after Thanksgiving? 4HA
A. National 4-H Congress
- Q. 4-H members celebrate what product each June? 4HA
A. Milk or Dairy Products (as part of June Dairy Month)



- Q. In what grade is 4-H first offered? 4HE
A. 4th Grade
- Q. What is the term for a 4th grade 4-H member? 4HE
A. Explorer (4-H'er)
- Q. Junior 4-H members are in what grade? 4HE
A. 5th
- Q. An extemporaneous speech should last no more than how many minutes? (Pronounced X-TEMP-POUR-RAIN-EE-US) 4HC
A. 2 minutes
- Q. What does it cost to join 4-H in Tennessee? 4HE
A. Absolutely nothing!
- Q. How many judging teams are offered in Tennessee 4-H? 4HC
A. 13
- Q. In which 4-H contest would you try to inform, entertain or persuade? 4HC
A. Public Speaking
- Q. What is the purpose of the 4-H Clover Bowl in Tennessee? 4HC
A. To acquaint 4-H members with themselves and their surrounding.
- Q. What are oral reasons? 4HC
A. A verbal or spoken justification of why you placed a JUDGING class a certain way
- Q. The Southern Region 4-H Teen Leadership Conference is better known by what acronym? 4HA
A. S-R-T-L-C
- Q. What is the most common way to earn a trip to National 4-H Congress? 4HA
A. Be a state winner in a 4-H project
- Q. 4-H is required to be mentioned in a speech in which age levels? 4HC
A. Only Senior High
- Q. Where does the Southern Regional Teen Leadership Conference take place? 4HA
A. Clyde M. York 4-H Center in Crossville
- Q. The State 4-H Horse show is held each year in what Tennessee city? 4HC
A. Shelbyville
- Q. In which 4-H contest would you make a "mini 4-H billboard?" 4HC
A. The 4-H Poster Contest
- Q. How long does a person have to answer a Clover Bowl question after "buzzing in?" 4HC
A. 10 seconds



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| Q. In which 4-H contest would you actually show someone how to do something? | 4HC |
| A. Demonstrations | |
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| Q. What 4-H activity deals with the learning of decision making skills? | 4HC |
| A. Judging Teams | |
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| Q. A 4-H Art Poster must be orientented in what direction? | 4HC |
| A. Horizontal or Landscaped | |
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| Q. A demonstration should last how long? | 4HC |
| A. Three to Five Minutes | |
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| Q. What is the official name of the 4-H shooting sports program? | 4HC |
| A. Target SMART | |
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| Q. What is the correct size for a 4-H poster? | 4HC |
| A. 14 by 22 inches | |



- Q. What percentage of Phosphorous is contained in a 50 pound bag of 6-12-12 fertilizer? T3.6-8c
A. 12 percent
- Q. What crop in Tennessee is referred to as "White Gold?" T3.6-8i
A. Cotton
- Q. Which grand division of the state depends the most on the row crop part of Agriculture? T3.6-8i
A. West Tennessee
- Q. What Grand Division of Tennessee grows the most cotton? T3.6-8i
A. West Tennessee
- Q. Tennessee ranks number one in the country in the production of what wooden item? T3.6-8i
A. Pencils
- Q. What does the term "marbling" mean as it relates to meat? T3.6-8g
A. Amount of fat within the meat
- Q. What is the principal ingredient in the insecticide DiPel or BT? T2.6-8c
A. Bacillus thuringiensis (Bt), a naturally occurring bacterium
- Q. What introduced weed is known as the vine that ate the south? T2.6-8c
A. Kudzu (pronounced CUD ZOO)
- Q. Which Grand Division of Tennessee produces the most alfalfa? T3.6-8i
A. Middle
- Q. In a 6-12-12 fertilizer, what percentage is potash (K_2O)? T2.6-8c
A. 12 percent
- Q. Where is the largest pecan tree in the world located? T3.6-8i
A. Natchez Trace State Park
- Q. What Tennessee county is renowned for its orchards and nurseries? T3.6-8i
A. Warren County
- Q. What grand division of the state has the most Dairy Cattle? T3.6-8i
A. East
- Q. Which county in Tennessee has the highest population of horses in the state? T3.6-8i
A. Rutherford County
- Q. What Grand Division of Tennessee produces the most Corn? T3.6-8i
A. West Tennessee
- Q. Which Grand Division of Tennessee produces the most hogs? T3.6-8i
A. West Tennessee



- Q. One square foot of lumber one inch thick is the definition of what measurement? T3.6-8i
A. Board Foot
- Q. This is the measure of density of a forest stand. T3.6-8i
A. Basal Area Factor (pronounced BASE-UL)
- Q. What milk processor in Athens, Tennessee has had their ice cream ranked "one of the best in the world" by TIME Magazine? T3.6-8i
A. Mayfield Dairy Farms
- Q. In what structure is silage stored? T4.3-5a
A. Silo
- Q. What part of a horse bridle fits in the horse's mouth? T4.3-5a
A. The bit
- Q. When Tennessean William Haskell Neal produced Neal's Paymaster corn, what was the new variety's great advantage? T4.3-5c
A. Two ears per stalk as compared to one ear on the old varieties
- Q. How much does a bale of cotton weigh? T4.3-5a
A. 480 pounds
- Q. A female hatchling chicken is called a what? T2.3-5d
A. Pullet
- Q. Name my AG Career: I study plants and the numerous ways they can be cultivated and utilized. T5.3-5b
A. Agronomist
- Q. What is the natural process by which pond or lake water circulates? T1.6-8c
A. Turnover
- Q. What is the term for growing a plant in a water medium? T4.3-5d
A. Hydroponic
- Q. Name the country where the Clydesdale originated. T2.3-5d
A. Scotland
- Q. What is the name of the stomach in cows, sheep and goats that is responsible for them being able to eat and live on hay and grasses? T2.3-5d
A. Rumen
- Q. What farm animal farrows its young? T2.3-5d
A. Swine or hogs
- Q. What farm animal is most susceptible to pseudorabies (pronounced SUE-DOE-RAY-BEES)? T2.3-5d
A. Swine or Hogs
- Q. What are you doing if you dock a sheep's tail? T2.3-5d
A. Cutting it off



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| Q. Sheep produce what kind of meat? | T2.3-5d |
| A. Lamb or mutton | |
| Q. What is meant by the word gestation? | T2.3-5d |
| A. Length of pregnancy | |
| Q. How many state forests does Tennessee have? | T1.6-8c |
| A. 15 | |
| Q. How is the majority of livestock sold in the United States? | T2.3-5d |
| A. Public Auction | |
| Q. Lady bugs are beneficial insects because they prey on what farm pest? | T2.6-8c |
| A. Aphids | |
| Q. A female hog before she has pigs is called a what? | T2.3-5d |
| A. Gilt | |
| Q. What does it mean for an animal to be polled? | T2.3-5d |
| A. No horns | |
| Q. What is the most common term for a female goat? | T2.3-5d |
| A. Doe | |
| Q. What is applied to soil to increase soil nutrients and crop yield? | T2.6-8c |
| A. Fertilizer | |
| Q. What is mixed in soil to raise the pH? | T2.6-8c |
| A. Lime | |
| Q. What does the agriculture term IPM stand for? | T2.6-8c |
| A. Integrated Pest Management | |
| Q. What is an invasive species? | T2.6-8c |
| A. An organism not native to an area | |
| Q. What type of gardening uses no chemical pesticides? | T2.6-8c |
| A. Organic Gardening | |
| Q. Why would you use a herbicide? | T2.6-8c |
| A. To kill weeds | |
| Q. Why would you use a fungicide? | T2.6-8c |
| A. Kill a fungus or blight | |
| Q. What percentage of Nitrogen is contained in a 50 pound bag of 6-12-12 fertilizer? | T2.6-8c |
| A. Six percent | |



- Q. A sirloin steak comes from what area of the animal? T2.3-5d
A. Hip
- Q. What does TWRA stand for? T5.3-5f
A. Tennessee Wildlife Resources Agency
- Q. Name my AG Career: I maintain trees and shrubs by trimming and pruning them. T5.3-5b
A. Arborist (R-BOAR-IST)
- Q. Name my AG Career: I work for UT, but I work with people in a county helping them with all things Agriculture. T5.3-5b
A. Extension AG Agent
- Q. Name my AG Career: I shoe horses. T5.3-5b
A. Farrier
- Q. What state produces the most corn? T5.3-5e
A. Iowa
- Q. What major crop, grown mainly in Arkansas and Louisiana, is grown in a flooded field? T5.3-5e
A. Rice
- Q. Which state produces the most wheat? T5.3-5e
A. Kansas (America's breadbasket)
- Q. Which state produces the most hogs? T5.3-5e
A. Iowa
- Q. Which southern state has the most State Forests? T5.3-5e
A. Tennessee
- Q. Which state produces the most cotton? T5.3-5e
A. Texas (The Cotton Bowl!)
- Q. What is meant by a milk deficit state? T5.3-5e
A. Consume more milk than it produces
- Q. Name my AG Career: I study better ways to manage fish in ponds, streams and even oceans. T5.3-5b
A. Fish Biologist
- Q. Tennessee's Institute of Agriculture is an important part of what university? T5.3-5f
A. The University of Tennessee
- Q. Name my ag career: I work for USDA mapping soils and interpreting their productivity. T5.3-5b
A. Soil Scientist
- Q. What farm group not only serves as an insurance agency, but also a nationwide farm lobby? T5.3-5f
A. Farm Bureau



- Q. In Tennessee what do the letters TDA stand for? T5.3-5f
A. Tennessee Department of Agriculture
- Q. What does the agriculture term TCA stand for? T5.3-5f
A. Tennessee Cattleman's Association
- Q. Who enforces the sale of Tennessee Game and Fishing Licenses? T5.3-5f
A. TWRA (Tennessee Wildlife Resources Agency)
- Q. In what complex is the Tennessee Department of Agriculture located? T5.3-5f
A. Ellington Agricultural Center in Nashville
- Q. What official heads up the USDA? T5.3-5f
A. The Secretary of Agriculture
- Q. In what town is the Tennessee Department of Agriculture located? T5.3-5f
A. Nashville
- Q. Where does the University of Tennessee test new varieties and farming procedures? T5.3-5f
A. UT AG Research Centers (would also accept Experiment Stations)
- Q. Why is UT Extension called the Cooperative Extension Service? T5.3-5f
A. Cooperation between Federal, State, and County governments
- Q. What kind of college was formed to study Agriculture, and was funded by the sale of western lands given each state by the federal government? T5.3-5f
A. Land-Grant University
- Q. What do the letters USDA mean? T5.3-5f
A. United States Department of Agriculture
- Q. What is the forest insect which spreads its range by hitchhiking on recreational vehicles? T4.6-8f
A. Gypsy Moth
- Q. What is the agriculture term for a round bale of hay in a big plastic bag? T4.3-5d
A. Haylage (Pronounced HAY LIJ)
- Q. Interspersion (pronounced EN-TER-SPUR-ZHUN) is necessary for many small animals such as quail and rabbit. What is interspersion? T1.6-8c
A. Mixing of food and cover
- Q. What is the name of the feed that is highest in energy content? T1.3-5e
A. Corn
- Q. What is the term used to describe the last possible date a particular area can expect a killing frost? T4.3-5d
A. Frost free date
- Q. What does the animal nutritional term TDN stand for? T4.3-5d
A. Total Digestible Nutrients



- Q. People from what country are largely responsible for the spread of domesticated horses world-wide? T4.6-8a
A. Egypt
- Q. What was the first crop raised by settlers in Middle Tennessee? T4.6-8a
A. Corn
- Q. What are the only insects that produce food for humans? T4.6-8f
A. Honeybees
- Q. What Mexican insect spread into the southeastern U.S. causing millions of dollars in damages to cotton crops? T4.6-8f
A. Boll Weevil
- Q. Caterpillars are the larvae for what type of insect? T4.6-8f
A. Butterflies or Moths (either is correct)
- Q. Name my AG Career: I specialize in home gardens and flowering plants. T5.3-5b
A. Horticulturist
- Q. What are the two state insects of Tennessee? T4.6-8f
A. Firefly and the Lady Bug
- Q. What are we doing when we are irrigating (Pronounced EAR-UH-GATE-ING) a field? T4.3-5d
A. Watering the field
- Q. How many pounds of honey does a typical bee hive produce in a year? T4.6-8f
A. More than 400 lbs
- Q. What noisy insect becomes a pest in the state about every thirteen years? T4.6-8f
A. Cicada (pronounced sa-k-dah)
- Q. What pest has attacked and destroyed many acres of pine trees in Tennessee? T4.6-8f
A. Southern Pine Beetle
- Q. What invasive insect which resembles a small June bug, preys on Tennessees fruit trees? T4.6-8f
A. The Japanese Beetle
- Q. What family of insects causes farmers the most economic loss? T4.6-8f
A. Lepidoptera (moth and butterflies) (pronounced LEP UH DOP TUH RA)
- Q. What is the Tennessee state agricultural insect? T4.6-8f
A. Honeybee
- Q. What is the Tennessee state butterfly? T4.6-8f
A. Zebra Swallowtail
- Q. Name my ag career: I am entrusted with protecting and preserving parkland, particularly its trees. T5.3-5b
A. Forest Ranger



- Q. Name my AG Career: I work for the state of Tennessee and I protect and conserve wildlife?
A. Wildlife Officer or Game Warden T5.3-5b
- Q. Name my AG Career: I design new equipment to be used in farming and agriculture?
A. AG. Engineer T5.3-5b
- Q. What stinging insect has invaded southern Tennessee recently?
A. Fire Ant T4.6-8f
- Q. What is the official state game bird of Tennessee?
A. Bobwhite quail T1.3-5a
- Q. Why do mice constantly gnaw on something?
A. Because their teeth never stop growing T1.3-5a
- Q. What is the proper name for a single freshwater shrimp?
A. Prawn T1.3-5a
- Q. Where in Tennessee does the nation's largest population of bald eagles winter?
A. Reelfoot Lake T1.3-5a
- Q. Aquaculture is the science of producing what product?
A. Fish T1.3-5a
- Q. What is the official sport fish of Tennessee?
A. Largemouth bass T1.3-5a
- Q. What is another name for grain sorghum?
A. Milo T1.3-5e
- Q. What fish is generally the goal of a day of fly casting?
A. Trout T1.3-5a
- Q. What is the term for the group of baby pigs a sow has?
A. Litter T2.3-5d
- Q. What is the term for the soft furry covering on a deer's antlers?
A. Velvet T1.3-5a
- Q. What does the agriculture term "outcrops" refer to?
A. Large rocks sticking up out of the ground hindering cultivation of the land T1.3-5e
- Q. What are the thick deposits of windblown soil found in West Tennessee called?
A. Loess (pronounced L-UH-SSS) T1.3-5e
- Q. What type of plant can produce its own nitrogen?
A. Legume T1.3-5e



- Q. What does organic matter help build in a soil? T1.3-5e
A. Topsoil
- Q. A plant that sprouts as a single leaf is called? T1.3-5e
A. Monocot
- Q. What does a Hognose Snake do when it is threatened? T1.3-5a
A. Plays dead
- Q. How many times is a dairy cow milked each day? T2.3-5d
A. Two times
- Q. Arabian, Belgian, and Morgan are breeds associated with what species of animal? T2.3-5d
A. Horses
- Q. What grand division of the state has the most beef cattle? T2.3-5d
A. Middle
- Q. Leather is a by-product from what agricultural industry? T2.3-5d
A. Cattle (both Beef and Dairy)
- Q. Which state produces the most milk? T2.3-5d
A. Wisconsin (America's Dairyland!)
- Q. What is the art of riding horseback called? T2.3-5d
A. Horsemanship
- Q. What is the average life span for a horse? T2.3-5d
A. 25 years
- Q. Name the two types of foxes found in Tennessee. T1.3-5a
A. Red Fox and Gray Fox
- Q. The wool from one sheep is called what? T2.3-5d
A. Fleece
- Q. What western mammal has drifted into Tennessee causing much alarm to farmers? T1.3-5a
A. Coyote
- Q. What is the most popular breed of dairy cattle? T2.3-5d
A. Holstein
- Q. A wide stripe down the face of a horse would be called a what? T2.3-5d
A. A Blaze
- Q. What part of the dairy cow holds and stores the milk? T2.3-5d
A. Udder



- Q. What pigs are bought small and then fed to market weight? T2.3-5d
A. Feeder pig
- Q. What are the most efficient farm animals in terms of pounds of gain to pounds of feed? T2.3-5d
A. Chickens or Poultry
- Q. What is the largest rodent found in Tennessee? T1.3-5a
A. The beaver (also the largest in North America)
- Q. What is the advantage of Jersey dairy cattle over the Holstein breed? T2.3-5d
A. Higher amount of butterfat in the milk
- Q. What is defined as the wise use of natural resources over time? T1.6-8c
A. Conservation
- Q. How many frost-free days are required to grow cotton? T1.6-8c
A. 200
- Q. What is the most popular Christmas tree grown in Tennessee? T1.6-8c
A. White Pine
- Q. What does it mean for a tree to be tolerant? T1.6-8c
A. It means it will grow fairly well in shade.
- Q. The Red Cedar is in reality what type of tree? T1.6-8c
A. Juniper
- Q. What does the term forage crop mean? T1.6-8c
A. A crop providing roughage (Pasture, Hay, and Silage)
- Q. What type of tree is most prevalent on the summit of Clingman's Dome? T1.6-8c
A. Frasier Fir
- Q. What is the general term for the working in an industry that is sustainable, renewable and contributes to the quality of the environment? T1.6-8c
A. "green" industry
- Q. What type of crop is grown simply to conserve and develop the soil? T1.6-8c
A. A "cover" crop
- Q. The average rainfall for Tennessee would be about how many inches per year? T1.6-8c
A. About 50 inches per year
- Q. What "popular" Tennessee tree is really a magnolia? T1.6-8c
A. Tulip poplar
- Q. In what month do the dogwood trees usually bloom in Tennessee? T1.6-8c
A. April



- Q. What is the family of plants containing watermelons, squash, and cucumbers? T1.3-5e
A. Cucurbits (CUE- CURB- ITS)
- Q. What is the term for plowing or cultivating around the hill as opposed to up and down? T1.6-8c
A. Farming on the Contour
- Q. What is the term used to describe the change of plant species on a piece of ground over a period of years? T1.6-8c
A. Plant Succession
- Q. What is the most valuable tree in Tennessee's forests? T1.6-8c
A. Black Walnut (Used in furniture making)
- Q. What trees have a pome? T1.6-8c
A. Apple Tree or Pear Tree
- Q. What is the term used to describe the loss of topsoil? T1.3-5e
A. Erosion
- Q. A cross between a domesticated beef animal and the American Bison is called what? T2.3-5d
A. Beefalo
- Q. What is the most fertile part of the soil? T1.3-5e
A. Topsoil
- Q. What crop do we use to produce margarine? T1.3-5e
A. Soybeans
- Q. What is defined as an agent or chemical used to destroy pests? T1.3-5e
A. Pesticides
- Q. Where would you find an A, B, and C horizon? T1.3-5e
A. In a soil profile
- Q. What are Rat-L-Traps, Jitterbugs, and Rooster Tails? T1.6-8c
A. Artificial fish baits
- Q. Which soil characteristic is the most important to know when putting in a septic system? T1.3-5e
A. The percolation rate or "Perc Rate" (how fast liquid can travel or perc through the soil)
- Q. Of the three soil particle types—sand, silt, and clay—which is the smallest and generally feels the stickiest when wet? T1.3-5e
A. Clay
- Q. What crop has the most harvested acres in Tennessee? T1.3-5e
A. Hay
- Q. What abundant resource in Tennessee makes beef cattle production profitable? T1.3-5e
A. Pasture



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| <p>Q. Which one of Tennessee's forage grasses is infected with an "Endophyte Fungus?"</p> <p>A. Fescue</p> | <p>T1.3-5e</p> |
| <p>Q. What is the most common grass found in Tennessee?</p> <p>A. Fescue</p> | <p>T1.3-5e</p> |
| <p>Q. What is the term used to describe the rapid movement of soil and rock in response to gravity?</p> <p>A. A landslide</p> | <p>T1.3-5e</p> |
| <p>Q. What is found in some soils that stop root depth and effect homesite selection?</p> <p>A. Bedrock</p> | <p>T1.3-5e</p> |
| <p>Q. What is the term for the natural breaking-down of rocks?</p> <p>A. Weathering</p> | <p>T1.3-5e</p> |
| <p>Q. What soils are a mixture of clay, silt, and sand making them easy to cultivate?</p> <p>A. Loams or Loamy Soils</p> | <p>T1.3-5e</p> |



- Q. Confirming cabinet members and supreme court nominees are ways that the Senate "checks and balances" the power of what other branch of government? 4.42
- A. The Executive Branch
- Q. What vote is required for the US House and Senate to have in order to pass a bill? 4.42
- A. Simple Majority of members present
- Q. Which Article of the US Constitution outlines how to make changes and updates to the document? 4.42
- A. Article 5
- Q. Any proposed amendment to the US Constitution must have at least how many votes in the senate in order to move forward? 4.42
- A. 67 votes (2/3 of 100)
- Q. Article 1 designates that all US Senators must be what age before taking office? 4.42
- A. 30 years of age
- Q. What is literally the "Highest Court in the Land?" 4.42
- A. The Supreme Court
- Q. What do you call a group of citizens called together to hear a legal case? 4.42
- A. Jury
- Q. What branch of government interprets the laws? 4.42
- A. Judicial
- Q. What branch of government ratifies treaties with other nations? 4.42
- A. The US Senate
- Q. Any proposed amendment to the US Constitution must pass by what margin in both chambers of government? 4.42
- A. two-thirds majority (2/3)
- Q. Which part of Congress is referred to sometimes as the 'Lower Chamber?' 4.42
- A. The US House of Representatives
- Q. How many United States Senators does each state have? 4.42
- A. Two (2)
- Q. According to Article 4 of the US Constitution, you can't commit a crime in one state and do what? 4.42
- A. Flee or hide in another state.
- Q. How many electoral votes does it take to be elected President of the United States? 4.42
- A. 270 (as of 2008)
- Q. What is the fewest number of US Representatives that any state has in Congress? 4.42
- A. 1 (Seven states just have 1)



- Q. Which state has the largest number of US Representatives? 4.42
A. California (53)
- Q. Which House of Congress includes Territories and the District of Columbia, but in a non-voting capacity? 4.42
A. The US House of Representatives
- Q. What is the term used to describe the process of how seats are distributed among states in the US House of Representatives? 4.42
A. Apportion or Apportionment (UH-PORE-SHUN or UH-PORE-SHUN-MUNT)
- Q. How do you determine a state's electoral votes? 4.42
A. By adding the number of US Representatives and Senators.
- Q. What is the approximate size, in population, of a US Congressional District? 4.42
A. 700,000 people
- Q. Freedom of Religion can be found in what amendment? 4.42
A. 1st Amendment
- Q. When the President chooses not to sign a bill passed by Congress, this presidential act is called what? 4.42
A. A Veto (pronounced VEE-TOE)
- Q. What does the word Posterity (PAHS-STAIR-UH-TEE) in the Preamble mean? 4.42
A. future generations of people
- Q. Nominating justices to the Supreme Court is one way the President "checks and balances" the power of what other branch of government? 4.42
A. The Judicial Branch
- Q. Which part of Congress is referred to sometimes as the 'Upper Chamber?' 4.42
A. The US Senate
- Q. What happens if a vote is tied in the US Senate? 4.42
A. The Vice-President breaks the tie
- Q. According to Article 7, how many states had to ratify the Constitution in order for it to go in effect? 4.42
A. 9 states
- Q. Article 1 designates that all US Representatives must be what age before taking office? 4.42
A. 25 years of age
- Q. Section 3 of Article 1 of the US Constitution deals with what part of government? 4.42
A. The US Senate
- Q. Section 2 of Article 1 of the US Constitution deals with what part of government? 4.42
A. The US House of Representatives



- Q. What does the constitutional term "ratify" mean? 4.42
A. to give formal consent to
- Q. Which Article defined how many states had to ratify the US Constitution in order for it to go into effect? 4.42
A. Article 7
- Q. Which article of the US Constitution defines the sovereignty of the United States? (SOV-URN-TEE) 4.42
A. Article 6
- Q. Striking down an unfair law would be one way the Supreme Court "checks and balances" the power of what other branch of government? 4.42
A. The Legislative Branch
- Q. Who presides over the US House of Representatives? 4.42
A. The Speaker of the House
- Q. Who leads the Supreme Court of the United States? 4.41
A. The Chief Justice
- Q. Freedom of the Press is ensured in what US Constitutional Amendment? 4.42
A. 1st Amendment
- Q. What is the term of office for a United States Representative? 4.42
A. Two years
- Q. The Amendment process is outlined in what Article of US Constitution? 4.41
A. Article 5
- Q. What describes how each branch of government limits and shares powers with the other branches? 4.41
A. Checks and Balances
- Q. What principle within our US Constitution makes it difficult for one person to have absolute control of the government? 4.41
A. Separation of Powers
- Q. What principle within our US Constitution divides the influence among different entities within our Government? 4.41
A. Separation of Powers
- Q. Who serves as the Speaker of the United States Senate? 4.42
A. The Vice-President of the United States (Would accept the actual person)
- Q. What branch of government determines if a law is unconstitutional? 4.41
A. The Judicial Branch



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| Q. What is the introductory statement of the US Constitution outlining its fundamental and guiding principles? | 4.42 |
| A. The Preamble | |
| Q. Which branch of government is responsible for signing bills into law? | 4.41 |
| A. The Executive Branch | |
| Q. What branch of government enforces the laws? | 4.41 |
| A. Executive | |
| Q. What was the "Three-Fifths" Compromise in the US Constitution? | 4.39 |
| A. Counted slaves at a 3/5 proportion in the population | |
| Q. What armed rebellion in 1787 served as a catalyst for the calling of a Constitutional Convention? | 4.39 |
| A. The Shays Rebellion | |
| Q. How many amendments make up the Bill of Rights? | 4.39 |
| A. 10 | |
| Q. What are the first ten amendments to the US Constitution called? | 4.39 |
| A. The Bill of Rights | |
| Q. What branch of government deals mainly with the creation of laws? | 4.41 |
| A. The Legislative Branch | |
| Q. Which Article of the US Constitution outlines the powers of President? | 4.42 |
| A. Article 2 | |
| Q. Article 3 of the US Constitution defines what branch of government? | 4.42 |
| A. The Judicial Branch | |
| Q. Article 2 of the US Constitution defines what branch of government? | 4.42 |
| A. The Executive Branch | |
| Q. Article 1 of the US Constitution defines what branch of government? | 4.42 |
| A. The Legislative Branch | |
| Q. Section 4 of Article 2 defines what action that can be taken against a sitting President for actions such as Treason or Bribery? | 4.42 |
| A. Impeachment | |
| Q. Which Article of the US Constitution outlines the powers of Vice-President? | 4.42 |
| A. Article 2 | |
| Q. Which Article of the US Constitution includes the President's Oath of Office? | 4.42 |
| A. Article 2 | |
| Q. The United States Supreme Court has how many justices? | 4.42 |
| A. 9 including the Chief Justice | |



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| Q. Which Article of the US Constitution outlines the powers of Supreme Court? | 4.42 |
| A. Article 3 | |
| Q. According to Article 2 of the US Constitution, how old must a person be to run for President? | 4.42 |
| A. 35 Years of Age | |
| Q. Which Article of the US Constitution outlines the powers of Congress? | 4.42 |
| A. Article 1 | |
| Q. What title is conferred upon the leader of the U.S. House of Representatives? | 4.42 |
| A. Speaker of the House | |
| Q. What is the term of office for a United States Senator? | 4.42 |
| A. Six years | |
| Q. The freedoms of speech, religion, and the press, as well as the right to assemble, are outlined in which amendment to the U.S. Constitution? | 4.42 |
| A. 1st Amendment | |
| Q. What is a simple definition of the Constitutional term Article? | 4.42 |
| A. Part | |
| Q. What part of the US Constitution answers the questions as to why we are doing this and who we are doing it for? | 4.42 |
| A. The Preamble | |
| Q. Which Article of the US Constitution defines the method by which new states are admitted into the Union? | 4.42 |
| A. Article 4 | |
| Q. Which Article of the US Constitution outlines and defines the Electoral College? | 4.42 |
| A. Article 2 | |
| Q. What Amendment to the US Constitution banned the payment of any debt owed by the Confederate government? | 5.20 |
| A. The 14th Amendment | |
| Q. Who was the first US Secretary of the Treasury? | 4.46 |
| A. Alexander Hamilton | |
| Q. What particular group of people did the 14th Amendment seek to protect? | 5.20 |
| A. Recently Freed Slaves | |
| Q. What Amendment to the US Constitution guaranteed equal protection under the law? | 5.20 |
| A. The 14th Amendment | |
| Q. What amendment to the U.S. Constitution prohibited states from denying citizens due process and equal protection under the law? | 5.20 |
| A. The 14th Amendment | |



- Q. What Amendment to the US Constitution prevented any state from prohibiting any of its residents the full privileges of American citizenship? 5.20
A. The 14th Amendment
- Q. What Amendment to the US Constitution guaranteed full citizenship to anybody born on American soil? 5.20
A. The 14th Amendment
- Q. Which amendment prohibited denying the right to vote based on race, color, or previous condition of servitude? 5.20
A. 15th Amendment
- Q. What Amendment to the US Constitution guaranteed the right to vote regardless of race or color? 5.20
A. The 15 Amendment
- Q. What does the term enfranchise mean? 5.24
A. Give The right to vote
- Q. What Amendment to the US Constitution banned paying slave-owners for the loss of their slaves? 5.20
A. The 14th Amendment
- Q. What Amendment to the US Constitution prohibits states from discriminating against particular groups of citizens? 5.20
A. The 14th Amendment
- Q. What was the "Three-Fifths" Compromise in the US Constitution? 5.20
A. Counted slaves at a 3/5 proportion in the population
- Q. Who was President when the 13th Amendment to the US Constitution was ratified? 5.20
A. Andrew Johnson
- Q. During what war was the 13th Amendment to the US Constitution passed? 5.20
A. The Civil War
- Q. What was the purpose of the 13th Amendment to the US Constitution? 5.20
A. to Abolish Slavery in America
- Q. What state was admitted to the union during the Compromise of 1850? 4.67
A. California
- Q. What Amendment repealed the "Three-Fifths" clause in the US Constitution? 5.20
A. The 14th Amendment
- Q. The 18 Amendment is often referred to by what name? 5.40
A. Prohibition (PRO-UH-BISH-UN)
- Q. Having separate schools for black and white children was an example of what type law? 5.41
A. Jim Crow Laws



- Q. Having separate water fountains for black and white citizens was an example of what type law? 5.41
A. Jim Crow Laws
- Q. Having to take a test in order to become a registered voter was an example of what type of law? 5.41
A. Jim Crow Laws
- Q. Laws designed to separate and limit full rights to black citizens are referred to as what? 5.41
A. Jim Crow Laws
- Q. What Amendment to the US Constitution repealed the 18th Amendment? 5.40
A. The 21 Amendment
- Q. How long did the 18th Amendment last before being repealed? 5.40
A. 15 years
- Q. What Amendment to the US Constitution limited the ability of former Confederate leaders to hold federal office? 5.20
A. The 14th Amendment
- Q. The Temperance movement in America around the turn of the 20th century was seeking what? 5.40
A. Prohibition (PRO-UH-BISH-UN)
- Q. What was the first Amendment to be ratified in the 20th Century? 5.40
A. The 16 Amendment
- Q. What Amendment to the US Constitution prohibited the production and sale of alcohol? 5.40
A. The 18 Amendment
- Q. Prior to the 17 Amendment how did most US Senators gain their office? 5.40
A. Selected by state legislature
- Q. Which Article of the US Constitution dictates that no religious affiliation or lack thereof is required to hold public office in the United States? 4.42
A. Article 6
- Q. What Amendment to the US Constitution implemented the modern income tax system? 5.40
A. The 16 Amendment
- Q. According to Article 2 of the US Constitution, a person has to be a natural born US Citizen in order to hold what office? 4.42
A. President of the United States
- Q. What state was admitted to the union during the Compromise of 1850? 5.40
A. California
- Q. What Amendment to the US Constitution shut down the Jack Daniels Distillery in Lynchburg, Tennessee? 5.24
A. The 18 Amendment



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| Q. Black market booze and rise of organized crime was a negative byproduct of what Amendment to the US Constitution? | 5.40 |
| A. The 18 Amendment | |
| Q. Which Article of the US Constitution promises to protect all states from invasion by a foreign power or entity? | 4.42 |
| A. Article 4 | |
| Q. Freedom to speedy trial is ensured in what US Constitutional Amendment? | 4.42 |
| A. 6th Amendment | |
| Q. Unreasonable searches and seizures is prohibited by what US Constitutional Amendment? | 4.42 |
| A. 4th Amendment | |
| Q. When a person "takes the 5th" it means he doesn't have to do what? | 4.42 |
| A. Testify against himself in a court of law | |
| Q. The Right to Petition the Government is ensured in what US Constitutional Amendment? | 4.42 |
| A. 1st Amendment | |
| Q. Freedom of the press is ensured in what US Constitutional Amendment? | 4.42 |
| A. 1st Amendment | |
| Q. Freedom to peaceably assemble is ensured in what US Constitutional Amendment? | 4.42 |
| A. 1st Amendment | |
| Q. Having soldiers quartered in your home during peacetime is prohibited by what US Constitutional Amendment? | 4.42 |
| A. 3rd Amendment | |
| Q. With the exception of a veto, what is the final act in a bill becoming law as outlined by the US Constitution? | 4.42 |
| A. The President sign's it into Law. | |
| Q. What does it take to override a Presidential Veto? | 4.42 |
| A. two-thirds majority (2/3) vote in both Houses. | |
| Q. Which Article of the US Constitution outlines the crime of Treason? | 4.42 |
| A. Article 4 | |
| Q. Which Article of the US Constitution outlines trial by Jury in the State where the crime was committed? | 4.42 |
| A. Article 3 | |
| Q. According to the US Constitution, what two entities of the Government must work together in order to make a treaty with a foreign power? | 4.42 |
| A. The Office of the President and The US Senate | |



- Q. The President's State of the Union Address is mandated in Section 3 of what Article of the Constitution? 4.42
A. Article 2
- Q. Who was the first US Secretary of State? 4.46
A. Thomas Jefferson
- Q. What Amendment to the US Constitution mandated that US Senators would be elected by popular vote? 5.40
A. The 17 Amendment
- Q. Confirming cabinet members and supreme court nominees are ways that The Senate "checks and balances" the power of what other branch of government? 4.42
A. 1st Amendment
- Q. The US Speaker of the House is part of which branch of government? 4.42
A. The Legislative Branch
- Q. What document starts with these words "Whereas, the people of the territory of the United States south of the River Ohio..."? 4.45
A. The Tennessee State Constitution
- Q. What is the fewest electoral votes any state has? 4.42
A. 3 (seven states and DC have three)
- Q. What is the fewest electoral votes any state has? 4.42
A. 3 (seven states and DC have three)
- Q. After a proposed amendment clears both the House and Senate, how many states have to ratify it in order for it to become law? 4.42
A. three-fourths or 38 of the 50 states.
- Q. The right to bear arms is ensured in what US Constitutional Amendment? 4.42
A. 2nd Amendment
- Q. How many electoral votes are allocated to Tennessee? 4.42
A. Eleven (11)
- Q. Members of the US Military are technically members of what branch of government? 4.42
A. The Executive Branch
- Q. What is the most electoral votes any state has? 4.42
A. California has 55
- Q. The US Secretary of State is part of which branch of government? 4.42
A. The Executive Branch
- Q. The 7th Amendment to the US Constitution guarantees the right to a jury trial in any civil suits involving at least how much money? 4.42
A. \$20



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| Q. Which Amendment ensures that the Federal Government has only powers delegated to it by the Constitution, with all other powers reserved for the states? | 4.42 |
| A. 10th Amendment | |
| Q. Being tried two times for the same crime is prohibited by what US Constitutional Amendment? | 4.42 |
| A. 5th Amendment | |
| Q. Which Amendment acts to ensure individuals are afforded fundamental rights even if not mentioned in the US Constitution? | 4.42 |
| A. 9th Amendment | |
| Q. Being able to cross examine your accuser during a court case is guaranteed by what US Constitutional Amendment? | 4.42 |
| A. 6th Amendment | |
| Q. The right to an attorney for any accused person is guaranteed by what US Constitutional Amendment? | 4.42 |
| A. 7th Amendment | |
| Q. Cruel and unusual punishment is prohibited by what US Constitutional Amendment? | 4.42 |
| A. 8th Amendment | |



- Q. What is the method of drawing done without any help from any drawing instruments? VA 1.3
A. Freehand
- Q. What is the type of craft where you paint on a wooden surface? VA 1.3
A. Tole Painting
- Q. Which Tennessee county has the smallest population? VA 1.3
A. Pickett County
- Q. What is used in sewing to give shape to a garment by rounding flat fabric to fit curves? VA 1.3
A. Darts
- Q. What is the part of the scene that appears behind the subject in a photograph? VA 2.1
A. Background
- Q. What is a picture that is woven in cloth and hung on a wall? VA 1.3
A. Tapestry (pronounced TAP-ISS-TREE)
- Q. What is the name of an object made by hand from your own idea, skill and method? VA 1.3
A. Craft
- Q. What is the term for something which can be seen through clearly, like glass? VA 2.1
A. Transparent
- Q. What is the term for the way a surface feels when touched? VA 2.1
A. Texture
- Q. What is the term used to describe two images taken at different times appearing on the same photograph? VA 1.3
A. Double exposure
- Q. What is the term used to describe the weaving together of three or more cords, wires or string? VA 1.3
A. Braid
- Q. Panning, F-Stop, and Depth of Field are terms found in which art form? VA 1.2
A. Photography
- Q. What type of painting is the hardest to clean-up? VA 1.2
A. Oil Painting
- Q. What kind of paint is made of powder mixed with glue and water? VA 1.2
A. Tempera
- Q. What does the size of the lens opening of a camera effect? VA 1.1
A. Depth of field in focus
- Q. Sewing items needed to finish a project such as buttons, zippers, thread and snaps are also known as what? VA 1.1
A. Notions



- Q. As it relates to clothing, why do we use pinking shears?
A. Cutting zig-zag edges on cloth to prevent fraying
VA 1.1
- Q. What is the term for something that cannot be seen through?
A. Opaque
VA 2.1
- Q. What is the woven edge on either side of a piece of fabric?
A. Selvage
VA 2.3
- Q. What is the name of a paper or board with openings that let paint or ink through to make a design?
A. Stencil
VA 1.1
- Q. What is the device in a camera that opens and closes causing the film to be exposed forming an image?
A. Shutter
VA 1.1
- Q. What is the type of knitting done with a long hooked needle?
A. Crochet
VA 1.2
- Q. What are colors called that are opposite each other on the color wheel?
A. Complementary or Contrasting
VA 2.1
- Q. What insect is spreading the West Nile Virus in this country?
A. Mosquito
THES 9.
- Q. What is the tool with a sharp point and a small blade that is used to remove stitches from fabric?
A. Seam Ripper
VA 1.1
- Q. What is the material called that gives fabric body and shaping?
A. Interfacing
VA 2.3
- Q. Concerning interior design, what is the meaning of the word emphasis?
A. Center of interest
VA 2.3
- Q. What is made by putting many motifs together?
A. Pattern
VA 2.3
- Q. What is the name of an art work made by gluing different things down on a flat surface?
A. Collage
VA 2.3
- Q. What term refers to the brightness or dullness of a color?
A. Intensity
VA 2.3
- Q. In sewing, what is the guide or directions for making a specific garment called?
A. Pattern
VA 2.3
- Q. What is the photographic term for taking a picture with no flash?
A. Existing light photography
VA 2.3



- Q. What is the term for the main object you want in your photograph? VA 2.3
A. Subject
- Q. What does the term motif mean? VA 2.1
A. A single design unit which can be repeated
- Q. If you add white to a color, you change the color's what? VA 2.1
A. Tint
- Q. What is a combination of colors that lie next to each other on the color wheel called? VA 2.1
A. Analogous or Related (UH-NAL-UH-GUS)
- Q. When studying colors, what are colors called that contain blue? VA 2.1
A. Cool Colors
- Q. In sewing, what is pivoting? VA 2.1
A. Turning a corner
- Q. What is the most common stitch on a sewing machine? VA 2.1
A. Straight Stitch
- Q. What is the tool used to study color schemes? VA 2.1
A. The Color Wheel
- Q. What does the term linear mean? VA 2.1
A. Consisting of lines
- Q. What is the term for the outer edges of a flat surface? VA 2.1
A. Shape
- Q. The color teal is defined as what? VA 2.1
A. Dark greenish blue
- Q. If you add black to a color to make it darker, you are changing the color's what? VA 2.1
A. Shade
- Q. What color is defined as a pale or light purple? VA 2.1
A. Lavender or Lilac
- Q. What is the term for getting all of your subject in the photograph? VA 2.3
A. Framing your subject
- Q. Under normal navigation rules, when a power-driven vessel and a sailing vessel are approaching with risk of collision, which vessel generally must give way? THES 10
A. The power-driven vessel
- Q. What type camera lens allows you to frame more area from right to left? VA 1.1
A. Wide-angle lens



- Q. Emergency responders pay close attention to NOAA weather radio reports in preparing for emergencies. What does NOAA stand for? THES 11
A. the National Oceanic and Atmospheric Administration
- Q. What is the term for predicting what the weather will do? THES 11
A. Forecasting
- Q. Which weather-related hazard causes the most deaths in the United States? THES 11
A. Extreme heat
- Q. What is the statement issued when a Tornado has been spotted? THES 11
A. Tornado Warning
- Q. What is the statement issued when conditions are favorable for a Tornado to occur? THES 11
A. Tornado Watch
- Q. In emergency preparedness, what do we call the circular diagram containing the words: Prepare, Respond, Recover, Mitigate? THES 11
A. The Disaster Cycle
- Q. At what time of the day do most lightning deaths occur? THES 11
A. Afternoon
- Q. What is the phone number for the Tennessee Poison Control Center? THES 11
A. 1-800-222-1222 or 1-423-222-1222
- Q. Which tornado would be more dangerous an F-1 or an F-5? THES 11
A. F-5
- Q. To prevent concussions when cycling, what piece of equipment should you wear? THES 10
A. Helmet
- Q. What do the letters C P R stand for? THES 10
A. Cardiopulmonary Resuscitation (pronounced CAR-DEE-O-PULL-MON-AIR-EE REE-SUS-UH-TAY-SHUN)
- Q. What is a "PFD" as it relates to safety? THES 10
A. A Personal Flotation Device
- Q. Which class of fire occurs in electrical wiring and electronic equipment? THES 10
A. Class "C" fire
- Q. Which class of fire involves wood, cloth, and paper? THES 10
A. Class "A" fire
- Q. Which class of fire involves flammable liquids, gases, oil and grease? THES 10
A. Class "B" fire
- Q. What is the light proof area used for processing film? VA 1.1
A. Darkroom



- Q. What type of drug is alcohol? THES 13
A. Depressant
- Q. In what direction do Tornados generally travel? THES 11
A. Northeast
- Q. What is the first thing you should do upon arriving on the scene of an accident? THES 11
A. Secure the scene or make sure the danger is removed or corrected
- Q. What is defined as a substance that, when put into your body, can alter the way your body works? THES 13
A. Drugs
- Q. What is the most preventable cause of death in our society? THES 13
A. Smoking
- Q. What type of drug produces sleep or stupor while at the same time relieving pain? THES 13
A. Narcotics
- Q. What is the addictive agent found in Tobacco? THES 13
A. Nicotine
- Q. What scale is used to classify a tornado? THES 11
A. Fujita Scale (pronounced FEW GEE TA)
- Q. What is the approximate size of a lightning bolt? THES 11
A. Only 3/4 inch
- Q. What radar system has greatly improved the forecasting of tornados? THES 11
A. Doppler
- Q. What is the standard number for information? THES 11
A. 411 or 1411
- Q. What national organization issues weather watches and warnings? THES 11
A. The National Weather Service
- Q. What is the first responsibility of any baby sitter? THES 10
A. Safety of the child
- Q. At what wind speed does a tropical storm become a hurricane? THES 11
A. Above 74 mph
- Q. What part of the basement would be the safest place to be during a tornado? THES 11
A. Southwest corner (The Northeast corner may pile up with debris)
- Q. What is the term for the exceptionally high tides which accompany hurricanes causing much damage? THES 11
A. Storm Surge



- Q. A tornado with wind speeds of 300 miles per hour would be considered what class tornado?
A. F-5
THES 11
- Q. What class tornado would have winds of 100 miles per hour?
A. F-1
THES 11
- Q. What do azalea, iris, and holly have in common?
A. They are common house plants which are poisonous
THES 11
- Q. What is the name given to an earthquake which follows another earthquake?
A. An Aftershock
THES 11
- Q. What should be dialed in case of emergency?
A. 911
THES 11
- Q. How long does it take the sound of thunder to travel a mile?
A. 5 seconds
THES 11
- Q. What state university was first named Hall-Moody Institute?
A. University of Tennessee at Martin (would accept simply UT-Martin)
LSED
- Q. What is an unplanned event that usually results in an injury or damage?
A. Accident
THES 10
- Q. What Tennessee city is the home of UTC?
A. Chattanooga (University of Tennessee at Chattanooga)
LSED
- Q. In what town is Middle Tennessee State University located?
A. Murfreesboro
LSED
- Q. In what town is Tennessee Tech University located?
A. Cookeville
LSED
- Q. What was the original name of East Tennessee State University?
A. East Tennessee State Normal School
LSED
- Q. What state university was at one time University of Tennessee Junior College?
A. University of Tennessee at Martin (would accept simply UT-Martin)
LSED
- Q. What state university was first named West Tennessee State Normal School?
A. University of Memphis
LSED
- Q. U. T. was officially named the University of Tennessee in 1879. What was its' name immediately prior to this change?
A. East Tennessee University
LSED
- Q. What state university was at one time known as "T P I"?
A. Tennessee Tech University
LSED



- Q. What Nashville university is located on the grounds of the former home of Adelia Acklen?
(Pronounced ADD-UH-LEE-SH-UH ACK-LYNN) LSED
- A. Belmont
- Q. Your body turns extra protein into what? THES 5.
- A. Fat
- Q. Most fast foods are high in fat and what? THES 5.
- A. Sodium
- Q. Americans get most of their sodium intake from what ingredient added to foods during processing? THES 5.
- A. Salt
- Q. What is the term for the passing of nutrients into the blood stream? THES 5.
- A. Absorption
- Q. What is defined as the ratio of lean body weight to fat body weight? THES 5.
- A. Body composition
- Q. What is the acceptable macronutrient distribution range for carbohydrates for adults? THES 5.
- A. 45–65 percent of daily calories
- Q. What are the building blocks of protein? THES 5.
- A. Amino Acids
- Q. How many teaspoons of sugar does a typical 12 ounce can of carbonated soft drink contain? THES 5.
- A. 10
- Q. What current university was at one time known as Tennessee A & I State Normal College? LSED
- A. Tennessee State University
- Q. What was the first of the "normal" schools to enroll students? LSED
- A. Middle Tennessee Normal School
- Q. What type of accident causes the most deaths in the United States? THES 10
- A. Motor Vehicles
- Q. When mowing on slopes with a push mower, in which direction should you mow? THES 10
- A. Across the slope
- Q. Name the only state university in Tennessee named for a former governor? LSED
- A. Austin Peay State University
- Q. Where is the University of Tennessee Space Institute located? LSED
- A. Tullahoma
- Q. In what town is Austin Peay State University located? LSED
- A. Clarksville



- Q. What university in Tennessee was originally known as Grant University? LSED
A. UT Chattanooga
- Q. In what town is East Tennessee State University located? LSED
A. Johnson City
- Q. This part of the UT System does not have any undergraduate students but houses the UT School of Medicine and Dentistry? LSED
A. The University of Tennessee at Memphis
- Q. Which school in the University of Tennessee system is located in Southeast Tennessee? LSED
A. The University of Tennessee at Chattanooga
- Q. What are you required by Tennessee state law to do each time you ride in a car? THES 10
A. Wear seat belt
- Q. What state university in Tennessee changed its name in 1994? LSED
A. University of Memphis from Memphis State University
- Q. What happened to the University of Tennessee at Nashville? LSED
A. It is now part of Tennessee State University
- Q. What were "normal" schools? LSED
A. Schools founded to train teachers
- Q. Which school in the University of Tennessee system is located in West Tennessee? LSED
A. The University of Tennessee at Martin
- Q. What Tennessee university is located near Sewanee, Tennessee? LSED
A. The University of the South
- Q. Tusculum College, Tennessee's oldest college, is how much older than the University of Tennessee? LSED
A. One Day! (Tusculum founded on Sept. 9, 1794 and the University of Tennessee on Sept. 10, 1794)
- Q. What university in Tennessee was originally known as Dixie College? LSED
A. Tennessee Tech University
- Q. Which state university traces its origins to Blount College founded in 1794? LSED
A. The University of Tennessee
- Q. Which school in the University of Tennessee is located in East Tennessee? LSED
A. The University of Tennessee at Knoxville
- Q. What is the term for the reduction in the size of particles suspended in a liquid by the use of high pressure? THES 5.
A. Homogenization (pronounced HUM-AH-GIN-UH-ZAY-SHUN)



- Q. What is a chemical compound essential to good nutrition and bone structure?
A. Mineral THES 5.
- Q. In food safety, what is the Danger Zone?
A. Temperatures between 40 and 140 degrees Fahrenheit (where bacteria multiply fastest) THES 5.
- Q. What is the term for a disease that is transmitted to humans by food?
A. Foodborne Illness THES 5.
- Q. What is the safest method to defrost frozen foods?
A. In the refrigerator THES 5.
- Q. What is the maximum time that left-overs can be left out at room temperature?
A. Two (2) hours THES 5.
- Q. What is the term for the exposing of a liquid to high temperatures allowing for the destruction of harmful organisms without major chemical changes to the substance?
A. Pasteurization (pronounced PASS-TER-UH-ZAY-SHUN) THES 5.
- Q. What is the name for vitamin B1?
A. Thiamin (pronounced THY UH MUN) THES 5.
- Q. Name the two types of dietary fiber?
A. Soluble and Insoluble THES 5.
- Q. How are ingredients on a food label listed by nutritional importance?
A. From most to least THES 5.
- Q. Foods high in soluble fiber can lower what substance in your blood?
A. Cholesterol THES 5.
- Q. What can be added to fruit to prevent it from browning in the freezer?
A. Ascorbic Acid (pronounced AS-SCORE-BIC) THES 5.
- Q. By law, a beverage that is called a “fruit juice” must contain at least what percent of natural fruit juices?
A. 10 THES 5.
- Q. At what temperature should cold foods be stored?
A. 40° F or colder THES 5.
- Q. In canning, what is the space left at the top of the container called?
A. Head Space THES 5.
- Q. What is the number one state in the United States for SPAM consumption?
A. Hawaii THES 5.
- Q. Carbohydrates provide how many calories per gram.
A. 4 THES 5.



- Q. What vitamin is called the “Sunshine” vitamin? THES 5.
A. Vitamin C (because citrus fruits are a good source of Vitamin C) (also will accept Vitamin D because the body produces Vitamin D when sunlight is absorbed by the skin)
- Q. What is the term for the drying out of frozen food that has been improperly packaged? THES 5.
A. Freezer Burn
- Q. What are proteins in food which aid in the maturing of food? THES 5.
A. Enzymes
- Q. What is the leading cause of infant deaths in Tennessee? THES 9.
A. Low birth weight
- Q. What harmful substance is in the paint of most houses built before 1960? THES 10
A. Lead
- Q. What kind of camera lens can bring your subject closer to you? VA 1.1
A. Telephoto
- Q. What is a drug which can only be purchased with a physician's order? THES 13
A. Prescription Drugs
- Q. What is the name of the three-legged supporting stand used to hold a camera steady? VA 1.1
A. Tripod
- Q. When sewing what is worn on the middle finger of your sewing hand to push the needle through the fabric? VA 1.1
A. Thimble
- Q. What is the main use of an emery bag on a pin cushion? VA 1.1
A. To keep needles and pins sharp
- Q. What is a substance that prevents bacterial growth called? THES 9.
A. Antibiotic
- Q. What bugs spread Rocky Mountain Spotted Fever and Lyme Disease? THES 9.
A. Ticks
- Q. What mineral helps the thyroid gland to work properly and is usually found in salt? THES 5.
A. Iodine
- Q. What is the cancer causing radioactive gas that can seep into your home from underground? THES 9.
A. Radon
- Q. What vitamin helps your body utilize calcium better? THES 5.
A. Vitamin D
- Q. What disease did Jonas Salk eradicate with his vaccine? THES 9.
A. Polio



- Q. What is the largest voluntary health organization in the world? THES 9.
A. American Cancer Society
- Q. Which type of cancer kills the most people in the United States? THES 9.
A. Lung Cancer
- Q. Where does Tennessee rank in the nation for childhood obesity? THES 9.
A. Fifth (5th) Highest!
- Q. What group of diseases is characterized by uncontrolled growth and spread of abnormal cells? THES 9.
A. Cancer
- Q. What is the term for introducing an undesirable element? THES 5.
A. Contamination
- Q. What nutrient helps keep the body temperature at a normal level? THES 5.
A. Water
- Q. What machine has a needle bar, a throat plate, and a bobbin? VA 1.1
A. Sewing machine
- Q. What are the two readings given in a blood pressure? THES 9.
A. Systolic (pronounced SISS-TAH-LIC) and Diastolic (pronounced DIE-ISS-TAH-LIC)
- Q. How often should you have a dental check-up? THES 2.
A. 2 times per year (every 6 months)
- Q. What is skim milk? THES 5.
A. Whole milk with the fat or cream removed
- Q. What is an ingredient that helps make bread tender? THES 5.
A. Shortening
- Q. What food group do dry beans fit into? THES 5.
A. Meat group
- Q. Oranges, lemons, and tangerines are what kind of fruits? THES 5.
A. Citrus Fruits
- Q. Why should a person warm up their muscles with stretching exercises? THES 4.
A. Cold muscles are more prone to injuries
- Q. What is the normal resting heart rate (heart beats per minute)? THES 4.
A. 60 to 90
- Q. Jogging would be considered what type of exercise? THES 4.
A. Aerobic Exercise



- Q. What is a list of dishes or foods served at a meal?
A. Menu
THES 5.
- Q. Exercise makes your bones what?
A. Stronger
THES 4.
- Q. What type drug can be bought without a physician's order?
A. Over-the-Counter Drug
THES 13
- Q. What is the recommended amount of time for proper handwashing?
A. 20 seconds
THES 2.
- Q. What is the most important tool you have to prevent foodborne illness?
A. Good personal hygiene
THES 2.
- Q. What can be defined as a style that gains sudden popularity and declines quickly?
A. Fad
THES 13
- Q. What is defined as the influence your contemporaries or friends have upon you?
A. Peer Pressure
THES 13
- Q. What type drug speeds up the central nervous system?
A. Stimulant
THES 13
- Q. A drug or other substance which produces delusions is called a what?
A. Hallucinogen (pronounced HUH-LOOSE-UN-UH-GIN)
THES 13
- Q. What percent of traffic accidents are alcohol related?
A. 60 percent
THES 13
- Q. What single food item contributes the most dietary fat to the American diet?
A. Hamburger
THES 5.
- Q. What is the recommended amount of exercise time a child or teenager should get daily?
A. 60 minutes (revised with 2005 new Food Guide Pyramid)
THES 4.
- Q. What is the proper name for deer meat?
A. Venison
THES 5.
- Q. What type of fat is liquid at room temperature?
A. Unsaturated
THES 5.
- Q. At what temperature should your refrigerator be set?
A. Between 32 degrees and 40 degrees Fahrenheit
THES 5.
- Q. What began in 1775, when the French Government offered a prize for a new method of preserving foods?
A. Canning
THES 5.



- Q. What type nutrient in food provides energy to the body? THES 5.
A. Carbohydrates
- Q. What is the meat from young dairy and beef calves? THES 5.
A. Veal
- Q. One gram of fat contains how many calories? THES 5.
A. 9
- Q. What is the term used for when a liquid becomes a soft semi-solid mass? THES 5.
A. Coagulate
- Q. At what temperature should your home freezer be set on? THES 5.
A. 0 degrees Fahrenheit
- Q. What method of cooking comes from the French word meaning "to jump" and is usually done to onions and mushrooms? THES 5.
A. Saute (pronounced SAW-TAY)
- Q. What is the term for adding a desirable substance to a food increasing the food value? THES 5.
A. Fortified
- Q. What does the term rancid mean? THES 5.
A. Offensive smell (It STINKS!)
- Q. What is the term for the removal of water from food? THES 5.
A. Dehydrated
- Q. What is the nutrient needed to prevent anemia? THES 5.
A. Iron
- Q. What is the unit by which food energy is measured? THES 5.
A. Calorie
- Q. What grain is pasta made from? THES 5.
A. Wheat
- Q. What is the grain from which flour is made? THES 5.
A. Wheat
- Q. What nutrient builds bones and teeth? THES 5.
A. Calcium
- Q. What 3 pieces of equipment make up the work triangle in the kitchen? THES 5.
A. Stove, Sink, Refrigerator
- Q. What is the nutrient of food needed to build and repair body tissues? THES 5.
A. Protein



- Q. What are the fundamental particles which make up matter? 7.PS1.1
A. Atoms
- Q. What a term for the genetic material of a given organism? 7.LS3.2
A. Genome (GEE-NOAM)
- Q. What is the threadlike structure of nucleic acids found in the nucleus of the cell which carries genetic information? 7.LS3.2
A. Chromosome (Pronounced K-ROAM-UH-SOAM)
- Q. What type of reproduction will combine the genetic material of two parents? 7.LS1.7
A. Sexual Reproduction
- Q. What is a diagram that can be used to determine the probability of an offspring having a particular genotype? 7.LS3.2
A. Punnet Square (Pronounced PUN-ET)
- Q. Digesting food would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- Q. What is a variant form of a given gene? 7.LS3.2
A. An Allele (UH-LEAL)
- Q. What is a zygote? (Pronounced ZI-GOAT) 7.LS3.2
A. A fertilized egg
- Q. What is a substance consisting of two or more atoms from different elements bound together chemically? 7.PS1.3
A. A Compound
- Q. What do we call a physical combination of two or more substances that are not chemically bonded and can be separated by physical means? 7.PS1.3
A. A mixture
- Q. What is a substance which has properties different than its components? 7.PS1.3
A. A Compound
- Q. Chemically speaking a peanut butter and jelly sandwich would be classified as a what? 7.PS1.3
A. A Mixture
- Q. Chemically speaking water would be classified as a what? 7.PS1.3
A. A Compound
- Q. Chemically speaking air would be classified as a what? 7.PS1.3
A. A Mixture
- Q. Chemically speaking soil would be classified as a what? 7.PS1.3
A. A Mixture



- Q. The observable traits or characteristics of an organism are known as what? 7.LS3.2
A. Phenotype
- Q. Chemically speaking baking soda would be classified as a what? 7.PS1.3
A. A Compound
- Q. Which type of reproduction would produce an offspring that is genetically unique? 7.LS1.7
A. Sexual Reproduction
- Q. Chemically speaking table salt would be classified as a what? 7.PS1.3
A. A Compound
- Q. Plants produce oxygen during what process? 7.LS1.9
A. Photosynthesis
- Q. Elements that are similar would be found where in the Periodic Table (PEER-E-ODD-TICK)? 7.PS1.5
A. In the same column
- Q. The scientific law that basically states that mass can neither be created or destroyed is known as what? 7.PS1.4
A. Law of Conservation of Mass
- Q. A single celled organism lacking a membrane -bound nucleus or organelles would be classified as a what? 7.LS1.7
A. Prokaryote (pronounced PRO-CARRY-OAT)
- Q. An organism whose cells have a cell nucleus and other organelles enclosed in membranes would be classified as what? 7.LS1.7
A. Eukaryote (pronounced U-CARRY-OAT)
- Q. Binary fission is an example of what type of reproduction? 7.LS1.7
A. Asexual Reproduction
- Q. What is the term for when a parent cell splits into two identical offspring cells? 7.LS1.7
A. Binary Fission
- Q. Fragmentation (Pronounced Frag-MENT-TAY-SHUN) is an example of what type of reproduction? 7.LS1.7
A. Asexual Reproduction
- Q. Animals produce Carbon Dioxide during what process? 7.LS1.9
A. Respiration
- Q. What is the term for when a parent cell forms a bubble-like bud that when fully developed breaks away and forms a new organism? 7.LS1.7
A. Budding
- Q. What is a genotype? (pronounced JEAN-O-TYPE) 7.LS3.2
A. The genetic makeup of an organism.



- Q. What type of reproduction produces offspring identical to one parent? 7.LS1.7
A. Asexual Reproduction
- Q. Plants basically breathe in what and exhale what? 7.LS1.9
A. Breathe in Carbon Dioxide and exhale Oxygen
- Q. Animals basically breathe in what and exhale what? 7.LS1.9
A. Breathe in Oxygen and exhale Carbon Dioxide
- Q. What is the term for the water movement through plants? 7.LS1.9
A. Transpiration (pronounced TRANS-PER-RAY-SHUN)
- Q. What is the study of Heredity called? 7.LS3.2
A. Genetics
- Q. What is termed as a specific physical characteristic which varies from one individual to another? 7.LS3.2
A. A trait
- Q. A segment of DNA that contains instructions associated with a particular product or trait is called what? 7.LS3.2
A. A Gene
- Q. What is the term for when a parent organism breaks into pieces and each piece becomes a new organism? 7.LS1.7
A. Fragmentation (Pronounced Frag-MENT-TAY-SHUN)
- Q. Atoms will react chemically in the same way if they are in the same what? 7.PS1.5
A. The same group or family
- Q. From a chemical standpoint, how would you classify NaCl (sodium chloride)? 7.PS1.5
A. A compound
- Q. What structure is responsible for coordinating growth, metabolism, and the reproduction of the cell? 7.LS1.3
A. The nucleus
- Q. From a chemical standpoint how would you classify the substance Fe (F-E)? 7.PS1.5
A. An element
- Q. From a chemical standpoint how would you classify the substance H₂O (H-2-0)? 7.PS1.5
A. A compound
- Q. Related to the Periodic Table (PEER-E-ODD-TICK) how are elements which have no metallic properties classified? 7.PS1.5
A. Nonmetals
- Q. What is a one or two letter notation used to represent an atom of a particular element? 7.PS1.5
A. Chemical Symbol



- Q. The total amount of matter found in an atom is designated as that atom's what? 7.PS1.5
A. Atomic Mass
- Q. The element Nitrogen is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. N
- Q. Within a period of the Periodic Table (PEER-E-ODD-TICK) what increases from left to right? 7.PS1.5
A. The Atomic Number
- Q. The element Chlorine is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Cl
- Q. What are gases which are odorless, colorless and react very little with other elements? 7.PS1.5
A. Noble Gases
- Q. From a chemical standpoint how would you classify the substance CO₂ (C-O-2)? 7.PS1.5
A. A compound
- Q. Why is Helium a safer substance to use in a Blimp than Hydrogen? 7.PS1.5
A. It is less Reactive (therefore less flammable)
- Q. Buring wood would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- Q. Melting and ice cube would be an example of what kind of change? 7.PS1.5
A. Physical Change
- Q. Shredding paper would be an example of what kind of change? 7.PS1.5
A. Physical Change
- Q. Balling up a sheet of aluminum foil would be an example of what kind of change? 7.PS1.5
A. Physical Change
- Q. What is appromimately equal to the number of protons and neutrons found in an atom? 7.PS1.5
A. Atomic Mass
- Q. Elements arranged in a column on the Periodic Table (PEER-E-ODD-TICK) are called what? 7.PS1.5
A. Groups
- Q. What is a substance that is produced from a chemical reaction? 7.PS1.4
A. Product
- Q. If the reactants have a mass 5 grams before a Chemical reaction, what would you expect the product's mass to be? 7.PS1.4
A. 5 grams also
- Q. The color or texture of a substance would be examples of what property? 7.PS1.5
A. Physical Property



- Q. The toxicity and the flammability of a substance would be examples of what property? 7.PS1.5
A. Chemical Property
- Q. What is the change which affects the size, shape, or color of a substance but does not affect its composition? 7.PS1.5
A. A Physical Change
- Q. What is the universal solvent? 7.PS1.5
A. Water
- Q. What is the table which arranges the chemical elements into groups and properties? 7.PS1.5
A. The Periodic Table (PEER-E-ODD-TICK)
- Q. The element Gold is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Au
- Q. What is the term for the number of protons found in the nucleus of an atom? 7.PS1.5
A. The Atomic Number
- Q. The rusting of iron would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- Q. Elements arranged in a row on the Periodic Table (PEER-E-ODD-TICK) are called what? 7.PS1.5
A. Periods
- Q. The element Hydrogen is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. H
- Q. The element Carbon is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. C
- Q. The element Oxygen is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. O
- Q. The element Potassium is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. K
- Q. The element Sodium is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Na
- Q. The element Iron is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Fe
- Q. What is a substance required to start a chemical reaction? 7.PS1.4
A. Reactant
- Q. What are the basic substances which make up the Periodic Table (PEER-E-ODD-TICK)? 7.PS1.5
A. Elements



- Q. What structure is responsible for the support and protection of the plant cell? 7.LS1.1
A. Cell wall
- Q. What is a cellular structure in an animal cell that helps organize cell division? 7.LS1.1
A. Centriole
- Q. What are tiny cell structures that carry out specific functions within the cell? 7.LS1.1
A. Organelles
- Q. What organelle within the cell stores water and other materials? 7.LS1.1
A. The Vacuole (Pronounced Vack-U-ULL)
- Q. What regulates passage of materials in and out of the the cell nucleus? 7.LS1.1
A. Nuclear Membrane
- Q. What organelle within the cell breaks down food molecules and dead or injured cells? 7.LS1.1
A. Lysosome (Pronounced LIE-SO-SOAM)
- Q. What organelle within the cell provides energy for cellular respiration? 7.LS1.1
A. Mitochondria (Pronounced MITE-UH-CON-DREE-UH)
- Q. What organelle within the cell is known as the powerhouse of the cell? 7.LS1.1
A. Mitochondria (Pronounced MITE-UH-CON-DREE-UH)
- Q. What organelle within the cell produces proteins? 7.LS1.1
A. Ribosomes (Pronounced RIBE-O-SOAMS)
- Q. What is the network of canals within the cell use to transport and store substances? 7.LS1.1
A. Endoplasmic Reticulum (Pronounced IN-DOE-PLAS-MICK REE-TICK-U-LUM)
- Q. What is the jellylike fluid inside the cell in which the organelles are suspended? 7.LS1.1
A. Cytoplasm
- Q. What organelle within the cell is considered the brain of the cell? 7.LS1.1
A. Nucleus
- Q. What organelle within the cell contains the DNA? 7.LS1.1
A. Nucleus
- Q. What type cell has a cell wall? 7.LS1.3
A. Plant Cell
- Q. What structure is responsible for the support and protection of the animal cell? 7.LS1.1
A. Cell membrane
- Q. What are the building blocks of all life? 7.LS1.1
A. Cells



- Q. What structure is responsible for coordinating growth, metabolism, and the reproduction of the cell? 7.LS1.1
A. The nucleus
- Q. Which type of cell would have cilia? 7.LS1.1
A. Animal Cells
- Q. Which type of cell would have Lysosomes? 7.LS1.1
A. Animal Cells
- Q. Which type of cell would have one large central vacuole? (Pronounced VACK -U- UL) 7.LS1.1
A. Plant Cells
- Q. What are the three main structures of a cell? 7.LS1.1
A. Membrane, nucleus, cytoplasm
- Q. In terms of shape what is the difference in plant cells and animal cells? 7.LS1.1
A. Plant Cells are rectangular Animal cells are round
- Q. What is the cell wall of a plant composed of? 7.LS1.1
A. Cellulose
- Q. What type cell has a cell wall? 7.LS1.1
A. Plant Cell
- Q. What is the basic unit of all living things? 7.LS1.1
A. Cells
- Q. Which two gasses make up the greatest percentage of the atmosphere of the Earth? 7.ESS3.1
A. Oxygen and Nitrogen
- Q. Which two gasses make up the greatest percentage of the atmosphere of the Earth? 7.ESS3.1
A. Oxygen and Nitrogen
- Q. What structure is responsible for the support and protection of the plant cell? 7.LS1.3
A. Cell wall
- Q. What is another term for having a variety of life in a given place? 7.LS1.6
A. Biodiversity (BYO-DUH-VERSE-UH-TEE)
- Q. What organelle within the cell is responsible for photosynthesis? 7.LS1.1
A. Chloroplasts
- Q. Toads having long sticky tongues is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. A difference between members of the same population is a what? 7.LS1.6
A. Variation



- Q. An actual change in the physical make-up of an organism to aid in survival is what kind of adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. What structure in the cell is responsible for storing the cells DNA? 7.LS1.1
A. The nucleus
- Q. What is the cell wall of a plant composed of? 7.LS1.3
A. Cellulose
- Q. An action taken by the organism to aid in survival is what kind of adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Behavioral Adaptation
- Q. Zebras herding together to protect the herd is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Behavioral Adaptation
- Q. A Black Bear hibernating in the winter is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Behavioral Adaptation
- Q. Candian Geese flying south in the winter is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Behavioral Adaptation
- Q. A cheetah having long legs and a light build is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. Female birds having colors that blend in more with their surroundings is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. What is a trait which allows an organism to survive and reproduce in its environment? 7.LS1.6
A. Adaptation (ADAP-TAY-SHUN)
- Q. A opossum playing dead is an example of what kind of adaptation? 7.LS1.6
A. Behavioral
- Q. Migration is an example of what kind of adaptation? 7.LS1.6
A. Behavioral
- Q. What is classified as an animal that is cold-blooded is able to live in both water and on land? 7.LS1.3
A. Amphibian
- Q. What structure is responsible for the support and protection of the animal cell? 7.LS1.3
A. Cell membrane



- Q. Which type of cell would have one large central vacuole? (Pronounced VACK -U- UL) 7.LS1.3
A. Plant Cells
- Q. Vultures having a bald head and a good sense of smell is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. A group of animals that are more like each other than they are alike any other group of animals are called what? 7.LS1.3
A. A species
- Q. Which type of cell would have cilia? 7.LS1.3
A. Animal Cells
- Q. What are the building blocks of all life? 7.LS1.3
A. Cells
- Q. Which type of cell would have Lysosomes? 7.LS1.3
A. Animal Cells
- Q. What are the three main structures of a cell? 7.LS1.3
A. Membrane, nucleus, cytoplasm
- Q. What is classified as an animal that has hair and gives birth to their young and feeds them milk? 7.LS1.3
A. A mammal
- Q. In terms of shape what is the difference in plant cells and animal cells? 7.LS1.3
A. Plant Cells are rectangular Animal cells are round
- Q. What is classified as an animal that is cold-blooded and is covered with scales? 7.LS1.3
A. A Reptile
- Q. What is classified as an animal that has a head, a thorax, and abdomen? 7.LS1.3
A. An Insect
- Q. What is classified as an animal that is cold-blooded and breathes with gills in the water? 7.LS1.3
A. A Fish
- Q. A warm-blooded animal that lives in water and breathes with lungs would be classified as a what? 7.LS1.3
A. A mammal
- Q. What structure in the cell is responsible for storing the cell's DNA? 7.LS1.3
A. The nucleus