



- Q. What was the official name of the POW Camp, now known as Clyde M York 4-H Center?
A. "Camp Crossville" 4HH
- Q. In which 4-H contest would you actually show someone how to do something?
A. Demonstrations 4HC
- Q. What were 4-H Agents originally referred to in Tennessee?
A. Demonstration Agents 4HH
- Q. The 4-H emblem was adopted in what year?
A. 1927 4HS
- Q. Target SMART is held at which 4-H Center?
A. William Ridley (Columbia) 4HA
- Q. Where does the Southern Regional Teen Leadership Conference take place?
A. Clyde M. York 4-H Center in Crossville 4HA
- Q. How many 4-H regions are there in Tennessee?
A. Three 4HL
- Q. In how many 4-H contests must you participate in order to be eligible for Junior 4-H camp?
A. None 4HE
- Q. What UT sports legend and Basketball Hall of Fame member was a 4-H member in Tennessee?
A. Pat Head Summitt, Coach of the Lady Vols Basketball Team 4HH
- Q. What did Tennessee 4-H members wear to National Congress for the first time in 1947?
A. The white sweaters with the Vol State emblem. 4HH
- Q. In what grade is 4-H first offered?
A. 4th Grade 4HE
- Q. What is the name of the official Tennessee 4-H History?
A. 4-H: A Tennessee Tradition 4HS
- Q. How many judging teams are offered in Tennessee 4-H?
A. 13 4HC
- Q. Which war helped to initiate the 4-H club program?
A. World War I 4HH
- Q. Where did southern Middle Tennessee counties attend 4-H camp before moving to Crossville in 1960?
A. Camp Woodlee (near McMinnville) 4HH
- Q. Which 4-H project could be defined as learning how to influence people to make some kind of change?
A. Leadership 4HP



- Q. Which 4-H officer's main duty is the writing of the minutes? 4HL
A. The Secretary
- Q. What is the Tennessee 4-H website address? 4HE
A. 4h.tennessee.edu
- Q. The 4-H program in Tennessee is organized and maintained by what two educational 4HH
A. The University of Tennessee and Tennessee State University
- Q. At what senior 4-H event would you take a college tour? 4HA
A. State 4-H Roundup
- Q. What current 4-H event was originally named State Club Camp in 1923? 4HH
A. Tennessee 4-H Roundup
- Q. What is the most popular 4-H Animal Science project? 4HP
A. Horse
- Q. Name the 4-H Center located in Columbia. 4HA
A. William P Ridley 4-H Center
- Q. In what year did the 4-H Camp at Crossville open? 4HH
A. 1950
- Q. What Tennessee symbol was placed at the National 4-H Center in Washington, by Tennessee 4- 4HH
H'ers in 1970?
A. A Tulip Poplar Tree Was Planted
- 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. 4-H is open to young people of what age range? 4HE
A. Ages 9 to 19
- Q. What phrase was not part of the original 4-H pledge? 4HS
A. "and my world"
- 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 another term for a written record of the 4-H club meeting? 4HL
A. The Minutes
- Q. What is the name of the inspirational part of the 4-H club meeting? 4HS
A. Thought for the Day
- Q. During what time of the year does Tennessee 4-H Congress take place? 4HA
A. Spring



- Q. At which state event do members wear green 4-H sweaters as part of their official dress?
A. Tennessee 4-H Congress 4HA
- Q. In which 4-H contest would you try to inform, entertain or persuade?
A. Public Speaking 4HC
- Q. In which 4-H project would you work with younger 4-H members, and learn more about parliamentary procedure?
A. Leadership 4HP
- Q. Junior 4-H members are in what grade?
A. 5th 4HE
- Q. At what 4-H event would you see the changing of the guard of the Unknown Soldier?
A. Citizenship Washington Focus 4HA
- Q. The "Tradition of the Gavel" refers to the gavel constructed by Don Bowman containing a piece of cherry wood from what original courthouse?
A. Washington County (the oldest county in Tennessee) 4HS
- Q. The 4-H Pledge was adopted in what year?
A. 1927 4HS
- Q. How long does a person have to answer a Clover Bowl question after "buzzing in?"
A. 10 seconds 4HC
- Q. Becoming a better more responsible citizen is taught in which 4-H project?
A. Citizenship 4HP
- Q. What is the name of the 4-H All-Star officer who serves as the secretary?
A. The Scribe 4HL
- Q. What is the 4-H slogan?
A. Learn by Doing 4HS
- Q. What 4-H activity deals with the learning of decision making skills?
A. Judging Teams 4HC
- Q. What does it cost to join 4-H in Tennessee?
A. Absolutely nothing! 4HE
- Q. What is the name of the leadership organization designed for 7th and 8th grade 4-H'ers?
A. 4-H Honor Club 4HL
- Q. What is the name of the inspirational ceremony held at the end of each day at 4-H camp?
A. Vespers 4HA
- Q. What 4-H event traditionally takes place right after Thanksgiving?
A. National 4-H Congress 4HA



- Q. At which State 4-H event do 4-H members act as representatives and senators?
A. Tennessee 4-H Congress 4HA
- Q. What is the traditional date of National 4-H Week?
A. The first full week in October 4HS
- Q. 4-H members pledge their hearts to what?
A. Greater Loyalty 4HS
- Q. What is the purpose of the 4-H Clover Bowl in Tennessee?
A. To acquaint 4-H members with themselves and their surrounding. 4HC
- 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?
A. Collegiate 4-H 4HL
- Q. The White House, Monticello, and Mount Vernon are visited during which 4-H event?
A. Citizenship Washington Focus 4HA
- Q. What is the name of the inspirational ceremony which takes place at camp right about sundown?
A. Flag Retreat 4HA
- Q. What did Tennessee 4-H do to celebrate Homecoming '86?
A. Compiled a History on Tennessee 4-H - "4-H a Tennessee Tradition" 4HH
- Q. What is the official name of the 4-H shooting sports program?
A. Target SMART 4HC
- Q. 4-H is required to be mentioned in a speech in which age levels?
A. Only Senior High 4HC
- Q. Don Bowman made what in 1948, which is handed down each year to the state 4-H Council President?
A. The Gavel 4HS
- Q. The Southern Region 4-H Teen Leadership Conference is better known by what acronym?
A. S-R-T-L-C 4HA
- Q. In what city is the National 4-H Center located?
A. Washington, D.C. (Chevy Chase, Maryland) 4HA
- Q. How many adults served as 4-H Volunteers each year in Tennessee?
A. About 15,000 (If they guess a number, it needs to be between 14,000 and 16,000.) 4HL
- Q. Name the group of teens who promote 4-H by singing and dancing....performing most notably at Tennessee 4-H Congress.
A. The Tennessee 4-H Performing Arts Troupe 4HA
- Q. What is the correct size for a 4-H poster?
A. 14 by 22 inches 4HC



- Q. At what grade in school can 4-H Honor Club members become All Stars?
A. Current 9th Grade Members 4HL
- Q. Which 4-H officer is in charge of arranging the room for the meeting?
A. The Vice-President 4HL
- Q. What is the newest 4-H project?
A. Computers and Technology 4HP
- Q. What Nashville weather man was a 4-H member from Dyer County, and emceed the State 4-H History Bowl?
A. Lelan Statom (Channel 5) (Pronounced LEE-LUN STATE-UM) 4HH
- Q. 4-H members pledge their hands to what?
A. Larger Service 4HS
- Q. What was the original use of the 4-H camp at Crossville?
A. World War II Prisoner of War Camp 4HH
- Q. The 4-H Clover Bowl was held for the first time in what county?
A. Wilson County (1994) 4HH
- Q. What is the award given the 4-H family who has shown "exceptional participation in all phases of 4-H club work?"
A. The Hale Master 4-H Family 4HH
- Q. 4-H members pledge their heads to what?
A. Clearer Thinking 4HS
- Q. State 4-H winners in Leadership, Citizenship, and Public Speaking are crowned at what 4-H event?
A. Tennessee 4-H Congress 4HA
- Q. At what 4-H event might members go shopping at the mall and participate in a fashion show?
A. 4-H Fashion & Design Conference 4HA
- Q. Which 4-H officer presides in the President's absence?
A. The Vice-President 4HL
- Q. In what Tennessee city does State 4-H Electric Camp take place?
A. Knoxville 4HA
- Q. What 4-H symbol is copyrighted?
A. The 4-H Clover 4HS
- Q. 4-H is open to young people of what school grades?
A. 4th through 12th Grades 4HE
- Q. What is the most common way to earn a trip to National 4-H Congress?
A. Be a state winner in a 4-H project 4HA



- Q. Service learning is part of what 4-H project? 4HP
A. Citizenship
- Q. 4-H members celebrate what product each June? 4HA
A. Milk or Dairy Products (as part of June Dairy Month)
- Q. What does TAE4-HW mean? 4HL
A. The Tennessee Association of Extension 4-H Workers
- Q. What are the 4-H colors? 4HS
A. Green and White
- Q. What are the 4 “H’s”? 4HS
A. Head, Heart, Hands, and Health
- 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. 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. What is the reference date used in 4-H for grade? 4HE
A. Jan. 1st of current year
- 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. 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. 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. What 4-H organization was formed in 1953 to raise funds for 4-H in Tennessee? 4HH
A. The Tennessee 4-H Foundation
- 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. 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. 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. 4-H members in Tennessee are in a sense students at what University? 4HH
A. The University of Tennessee
- Q. What are oral reasons? 4HC
A. A verbal or spoken justification of why you placed a JUDGING class a certain way
- Q. A 4-H Art Poster must be orientented in what direction? 4HC
A. Horizontal or Landscaped
- Q. A demonstration should last how long? 4HC
A. Three to Five Minutes
- Q. Which 4-H officer's main duty is to get someone to do parts of the program? 4HL
A. The Vice-President
- 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. 4-H members pledge their health to what? 4HS
A. Better Living
- 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. 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. 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 All Star motto? 4HS
A. Service
- Q. This is the smallest 4-H project, although this fact may "bug" some people. 4HP
A. Entomology
- Q. State Academic Conference is open to 4-H members of what age group? 4HA
A. Junior High (6th, 7th, & 8th Grades)
- 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. What current 4-H event was named Tennessee 4-H Club Short Course in 1939? 4HH
A. Tennessee 4-H Roundup
- Q. What happens if there are no corrections to the minutes? 4HL
A. They "stand approved as read"



- Q. Where does Tennessee 4-H Congress take place? 4HA
A. Nashville
- Q. In what state was the 4-H All-Star program first organized? 4HH
A. West Virginia
- Q. The State 4-H Horse show is held each year in what Tennessee city? 4HC
A. Shelbyville
- 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. In which pledge would you face the group not the flag? 4HS
A. The 4-H Pledge
- 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 is the first order of business in any 4-H meeting? 4HL
A. The President Calls the Meeting to Order.
- Q. In what unique way did German POW's 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. Who served the longest as State 4-H Leader in Tennessee? 4HH
A. G.L. Herrington
- 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 is the title of the person who officially heads up the 4-H program in Tennessee? 4HL
A. State 4-H Director
- Q. Which 4-H officer has the duty of checking the roll? 4HL
A. The Secretary (although this is often done silently)
- Q. Compare and Contrast how the original payment for 4-H camp differed from today's? 4HH
A. 4-H members paid in produce, such as a bushel of corn, etc.
- Q. In the 4-H Target SMART program, what does the acronym "SMART" stand for? 4HA
A. Shotgun, Muzzleloader, Archery and Rifle Training
- 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. At what 4-H event is the 4-H Governor elected? 4HL
A. Tennessee 4-H Congress



- Q. What is the term for a 4th grade 4-H member? 4HE
A. Explorer (4-H'er)
- Q. Which 4-H officer's main duty is to preside over the meetings? 4HL
A. The President
- Q. What person wrote the 4-H motto? 4HH
A. Carrie Harrison
- Q. Adults, teens, and volunteers are examples of what group of people who help agents conduct the 4-H program? 4HL
A. Leaders
- Q. What is the 4-H Motto? 4HS
A. To Make the Best Better!
- Q. Who wrote the 4-H Pledge? 4HH
A. Otis Hall (from Kansas)
- 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. At what state 4-H event, do 4-H members participate in "Know Your Government" activities? 4HA
A. Tennessee 4-H Congress
- Q. The Clyde M. York 4-H Center is located in what Tennessee town? 4HA
A. Crossville
- Q. Who is considered to be the first 4-H member in Tennessee? 4HH
A. Mertie Hardin
- Q. What is the name of the inspirational ceremony which takes place at 4-H camp right after sunrise? 4HA
A. Flag Raising
- Q. What is another word used to dismiss a 4-H club meeting? 4HL
A. Adjourn (UH JURN)
- Q. Where has National 4-H Congress been held since 1997? 4HA
A. Atlanta, Georgia
- Q. What two organizations served as the forerunners of 4-H in Tennessee? 4HH
A. The Tomato (girls) and Corn Clubs (boys)
- 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. The Clyde Austin 4-H Center is located in what Tennessee town? 4HA
A. Greeneville



- 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. In which 4-H contest would you make a "mini 4-H billboard?" 4HC
A. The 4-H Poster Contest
- Q. Citizenship Focus, a national 4-H event dealing with government, takes place in what city? 4HA
A. Washington, D.C.
- Q. How many projects are offered to Tennessee 4-H members? 4HP
A. 26
- Q. What is the 4-H Emblem? 4HS
A. A Four-Leaf Clover
- 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 first crop raised by settlers in Middle Tennessee?
A. Corn T4.6-8a
- Q. What is the official state game bird of Tennessee?
A. Bobwhite quail T1.3-5a
- Q. Sheep produce what kind of meat?
A. Lamb or mutton T2.3-5d
- Q. What does TWRA stand for?
A. Tennessee Wildlife Resources Agency T5.3-5f
- Q. Name my AG Career: I specialize in home gardens and flowering plants.
A. Horticulturalist T5.3-5b
- Q. What part of a horse bridle fits in the horse's mouth?
A. The bit T4.3-5a
- Q. Where is the largest pecan tree in the world located?
A. Natchez Trace State Park T3.6-8i
- Q. This is the measure of density of a forest stand.
A. Basal Area Factor (pronounced BASE-UL) T3.6-8i
- Q. What do the letters USDA mean?
A. United States Department of Agriculture T5.3-5f
- Q. What type of gardening uses no chemical pesticides?
A. Organic Gardening T2.6-8c
- Q. What does the term forage crop mean?
A. A crop providing roughage (Pasture, Hay, and Silage) T1.6-8c
- Q. What is the Tennessee state agricultural insect?
A. Honeybee T4.6-8f
- Q. What is the average life span for a horse?
A. 25 years T2.3-5d
- Q. What is defined as an agent or chemical used to destroy pests?
A. Pesticides T1.3-5e
- Q. What grand division of the state has the most beef cattle?
A. Middle T2.3-5d
- Q. What are you doing if you dock a sheep's tail?
A. Cutting it off T2.3-5d



- Q. What does the term "marbling" mean as it relates to meat? T3.6-8g
A. Amount of fat within the meat
- Q. What Tennessee county is renowned for its orchards and nurseries? T3.6-8i
A. Warren County
- Q. Of the three types of soil, Sand, Silt and Clay, which one is the stickiest? T1.3-5e
A. Clay
- Q. What major crop, grown mainly in Arkansas and Louisiana, is grown in a flooded field? T5.3-5e
A. Rice
- Q. What Grand Division of Tennessee grows the most cotton? T3.6-8i
A. West Tennessee
- Q. What is the name of the feed that is highest in energy content? T1.3-5e
A. Corn
- Q. What is the most popular breed of dairy cattle? T2.3-5d
A. Holstein
- Q. What does organic matter help build in a soil? T1.3-5e
A. Topsoil
- Q. What are we doing when we are irrigating (Pronounced EAR-UH-GATE-ING) a field? T4.3-5d
A. Watering the field
- Q. What crop in Tennessee is referred to as "White Gold?" T3.6-8i
A. Cotton
- 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. How many state forests does Tennessee have? T1.6-8c
A. 15
- Q. What is another name for grain sorghum? T1.3-5e
A. Milo
- Q. What is the most fertile part of the soil? T1.3-5e
A. Topsoil
- Q. Leather is a by-product from what agricultural industry? T2.3-5d
A. Cattle (both Beef and Dairy)
- Q. A wide stripe down the face of a horse would be called a what? T2.3-5d
A. A Blaze



- Q. What is mixed in soil to raise the pH?
A. Lime T2.6-8c
- Q. Tennessee ranks number one in the country in the production of what wooden item?
A. Pencils T3.6-8i
- Q. Which Grand Division of Tennessee produces the most alfalfa?
A. Middle T3.6-8i
- Q. What is the most common term for a female goat?
A. Doe T2.3-5d
- Q. What Mexican insect spread into the southeastern U.S. causing millions of dollars in damages to cotton crops?
A. Boll Weevil T4.6-8f
- Q. What is the largest rodent found in Tennessee?
A. The beaver (also the largest in North America) T1.3-5a
- Q. In what month do the dogwood trees usually bloom in Tennessee?
A. April T1.6-8c
- 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. How is the majority of livestock sold in the United States?
A. Public Auction T2.3-5d
- Q. What are the only insects that produce food for humans?
A. Honeybees T4.6-8f
- Q. What is the art of riding horseback called?
A. Horsemanship T2.3-5d
- Q. The Red Cedar is in reality what type of tree?
A. Juniper T1.6-8c
- Q. Name the country where the Clydesdale originated.
A. Scotland T2.3-5d
- Q. Which county in Tennessee has the highest population of horses in the state?
A. Rutherford County T3.6-8i
- Q. What is the most valuable tree in Tennessee's forests?
A. Black Walnut (Used in furniture making) T1.6-8c
- Q. Where would you find an A, B, and C horizon?
A. In a soil profile T1.3-5e



- Q. What is the term for the natural breaking-down of rocks?
A. Weathering 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 is the term used to describe the loss of topsoil?
A. Erosion T1.3-5e
- Q. What is the term used to describe the rapid movement of soil and rock in response to gravity?
A. A landslide T1.3-5e
- Q. Name my AG Career: I design new equipment to be used in farming and agriculture?
A. AG. Engineer T5.3-5b
- Q. What is the term for plowing or cultivating around the hill as opposed to up and down?
A. Farming on the Contour T1.6-8c
- Q. What is applied to soil to increase soil nutrients and crop yield?
A. Fertilizer T2.6-8c
- Q. What percentage of Potassium is contained in a 100 pound bag of 6-12-12 fertilizer?
A. 12 percent T2.6-8c
- Q. What type of plant can produce its own nitrogen?
A. Legume T1.3-5e
- Q. In what town is the Tennessee Department of Agriculture located?
A. Nashville T5.3-5f
- Q. What state produces the most corn?
A. Iowa T5.3-5e
- Q. In Tennessee what do the letters TDA stand for?
A. Tennessee Department of Agriculture T5.3-5f
- Q. What Grand Division of Tennessee produces the most Corn?
A. West Tennessee T3.6-8i
- Q. A cross between a domesticated beef animal and the American Bison is called what?
A. Beefalo T2.3-5d
- Q. Why is UT Extension called the Cooperative Extension Service?
A. Cooperation between Federal, State, and County governments T5.3-5f
- Q. What is the advantage of Jersey dairy cattle over the Holstein breed?
A. Higher amount of butterfat in the milk T2.3-5d



- Q. What does the animal nutritional term TDN stand for? T4.3-5d
A. Total Digestible Nutrients
- 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 abundant resource in Tennessee makes beef cattle production profitable? T1.3-5e
A. Pasture
- Q. What is the most common grass found in Tennessee? T1.3-5e
A. Fescue
- Q. Why would you use a herbicide? T2.6-8c
A. To kill weeds
- Q. People from what country are largely responsible for the spread of domesticated horses worldwide? T4.6-8a
A. Egypt
- Q. A sirloin steak comes from what area of the animal? T2.3-5d
A. Hip
- Q. Arabian, Belgian, and Morgan are breeds associated with what species of animal? T2.3-5d
A. Horses
- 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. Why do mice constantly gnaw on something? T1.3-5a
A. Because their teeth never stop growing
- Q. What does it mean for an animal to be polled? T2.3-5d
A. No horns
- Q. Which state produces the most wheat? T5.3-5e
A. Kansas (America's breadbasket)
- 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. Which state produces the most milk? T2.3-5d
A. Wisconsin (America's Dairyland!)
- Q. Lady bugs are beneficial insects because they prey on what farm pest? T2.6-8c
A. Aphids



- Q. What percentage of Nitrogen is contained in a 50 pound bag of 6-12-12 fertilizer?
A. Six percent T2.6-8c
- Q. When Tennessean William Haskell Neal produced Neal's Paymaster corn, what was the new variety's great advantage?
A. Two ears per stalk as compared to one ear on the old varieties T4.3-5c
- Q. What percentage of Phosphorous is contained in a 50 pound bag of 6-12-12 fertilizer?
A. 12 percent T2.6-8c
- Q. What is found in some soils that stop root depth and effect homesite selection?
A. Bedrock T1.3-5e
- Q. What crop do we use to produce margarine?
A. Soybeans T1.3-5e
- Q. What does a Hognose Snake do when it is threatened?
A. Plays dead T1.3-5a
- Q. Which soil characteristic is the most important to know when putting in a septic system?
A. The percolation rate or "Perc Rate" (how fast liquid can travel or perc through the soil) T1.3-5e
- Q. What farm animal farrows its young?
A. Swine or hogs T2.3-5d
- Q. Name my AG Career: I study better ways to manage fish in ponds, streams and even oceans.
A. Fish Biologist T5.3-5b
- Q. In what complex is the Tennessee Department of Agriculture located?
A. Ellington Agricultural Center in Nashville T5.3-5f
- Q. Which grand division of the state depends the most on the row crop part of Agriculture?
A. West Tennessee T3.6-8i
- Q. Aquaculture is the science of producing what product?
A. Fish T1.3-5a
- Q. How much does a bale of cotton weigh?
A. 480 pounds T4.3-5a
- Q. What is the term for the soft furry covering on a deer's antlers?
A. Velvet T1.3-5a
- Q. What official heads up the USDA?
A. The Secretary of Agriculture T5.3-5f
- Q. A female hog before she has pigs is called a what?
A. Gilt T2.3-5d



- Q. What is the term for the group of baby pigs a sow has? T2.3-5d
A. Litter
- Q. What part of the dairy cow holds and stores the milk? T2.3-5d
A. Udder
- 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 are the two state insects of Tennessee? T4.6-8f
A. Firefly and the Lady Bug
- 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 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 family of plants containing watermelons, squash, and cucumbers? T1.3-5e
A. Cucurbits (CUE- CURB- ITS)
- 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 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 farm animal is most susceptible to pseudorabies (pronounced SUE-DOE-RAY-BEES)? T2.3-5d
A. Swine or Hogs
- Q. Which one of Tennessee's forage grasses is infected with an "Endophyte Fungus?" T1.3-5e
A. Fescue
- 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. 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 type of crop is grown simply to conserve and develop the soil? T1.6-8c
A. A "cover" crop
- Q. Which state produces the most cotton? T5.3-5e
A. Texas (The Cotton Bowl!)
- Q. What is an invasive species? T2.6-8c
A. An organism not native to an area



- Q. What noisy insect becomes a pest in the state about every thirteen years?
A. Cicada (pronounced sa-k-dah) T4.6-8f
- Q. Tennessee's Institute of Agriculture is an important part of what university?
A. The University of Tennessee T5.3-5f
- 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. What is the proper name for a single freshwater shrimp?
A. Prawn T1.3-5a
- Q. The wool from one sheep is called what?
A. Fleece T2.3-5d
- Q. What milk processor in Athens, Tennessee has had their ice cream ranked "one of the best in the world" by TIME Magazine?
A. Mayfield Dairy Farms T3.6-8i
- Q. What "popular" Tennessee tree is really a magnolia?
A. Tulip poplar T1.6-8c
- Q. What grand division of the state has the most Dairy Cattle?
A. East T3.6-8i
- Q. What is the term for growing a plant in a water medium?
A. Hydroponic T4.3-5d
- Q. How many frost-free days are required to grow cotton?
A. 200 T1.6-8c
- Q. What western mammal has drifted into Tennessee causing much alarm to farmers?
A. Coyote T1.3-5a
- Q. How many times is a dairy cow milked each day?
A. Two times T2.3-5d
- Q. What is meant by a milk deficit state?
A. Consume more milk than it produces T5.3-5e
- Q. What are Rat-L-Traps, Jitterbugs, and Rooster Tails?
A. Artificial fish baits T1.6-8c
- Q. What is meant by the word gestation?
A. Length of pregnancy T2.3-5d
- Q. Name my AG Career: I study plants and the numerous ways they can be cultivated and utilized.
A. Agronomist T5.3-5b



- Q. Caterpillars are the larvae for what type of insect? T4.6-8f
A. Butterflies or Moths (either is correct)
- Q. Why would you use a fungicide? T2.6-8c
A. Kill a fungus or blight
- Q. A female hatchling chicken is called a what? T2.3-5d
A. Pullet
- Q. Name my AG Career: I am a person entrusted with the protection and preserving of a parkland...particularly as it relates to trees? T5.3-5b
A. Forest Ranger
- Q. In what structure is silage stored? T4.3-5a
A. Silo
- Q. What pigs are bought small and then fed to market weight? T2.3-5d
A. Feeder pig
- Q. What invasive insect which resembles a small June bug, preys on Tennessee's fruit trees? T4.6-8f
A. The Japanese Beetle
- Q. Which state produces the most hogs? T5.3-5e
A. Iowa
- Q. What is the principle ingredient in the insecticide DiPel or BT? T2.6-8c
A. Bacteria (an organic pesticide)
- Q. What fish is generally the goal of a day of fly casting? T1.3-5a
A. Trout
- Q. What soils are a mixture of clay, silt, and sand making them easy to cultivate? T1.3-5e
A. Loams or Loamy Soils
- Q. What is the official sport fish of Tennessee? T1.3-5a
A. Largemouth bass
- Q. What does the agriculture term IPM stand for? T2.6-8c
A. Integrated Pest Management
- Q. What pest has attacked and destroyed many acres of pine trees in Tennessee? T4.6-8f
A. Southern Pine Beetle
- Q. Which Grand Division of Tennessee produces the most hogs? T3.6-8i
A. West Tennessee
- Q. What stinging insect has invaded southern Tennessee recently? T4.6-8f
A. Fire Ant



- Q. What does the agriculture term TCA stand for? T5.3-5f
A. Tennessee Cattleman's Association
- Q. One square foot of lumber one inch thick is the definition of what measurement? T3.6-8i
A. Board Foot
- Q. What introduced weed is known as the vine that ate the south? T2.6-8c
A. Kudzu (pronounced CUD ZOO)
- Q. Who enforces the sale of Tennessee Game and Fishing Licenses? T5.3-5f
A. TWRA (Tennessee Wildlife Resources Agency)
- Q. Where in Tennessee does the nation's largest population of bald eagles winter? T1.3-5a
A. Reelfoot Lake
- Q. What is defined as the wise use of natural resources over time? T1.6-8c
A. Conservation
- 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 Tennessee state butterfly? T4.6-8f
A. Zebra Swallowtail
- Q. What is the natural process by which pond or lake water circulates? T1.6-8c
A. Turnover
- Q. Name the two types of foxes found in Tennessee. T1.3-5a
A. Red Fox and Gray Fox
- Q. Name my AG Career: I shoe horses. T5.3-5b
A. Farrier
- Q. What farm group not only serves as an insurance agency, but also a nationwide farm lobby? T5.3-5f
A. Farm Bureau
- Q. Name my AG Career: I maintain trees and shrubs by trimming and pruning them. T5.3-5b
A. Arborist (R-BOAR-IST)
- Q. What crop has the most harvested acres in Tennessee? T1.3-5e
A. Hay
- Q. Name my AG Career: I work for USDA and I map soils and interpret their productivity. T5.3-5b
A. Soil Scientist
- 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. What is the most popular Christmas tree grown in Tennessee? T1.6-8c
A. White Pine
- 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. What trees have a pome? T1.6-8c
A. Apple Tree or Pear Tree
- Q. A plant that sprouts as a single leaf is called? T1.3-5e
A. Monocot
- Q. What type of tree is most prevalent on the summit of Clingman's Dome? T1.6-8c
A. Frasier Fir
- Q. Which southern state has the most State Forests? T5.3-5e
A. Tennessee
- Q. The average rainfall for Tennessee would be about how many inches per year? T1.6-8c
A. About 50 inches per year



- 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. Which Article of the US Constitution outlines how to make changes and updates to the 4.42
A. Article 5
- Q. What Amendment to the US Constitution prohibits states from discriminating against particular groups of citizens? 5.20
A. The 14 Amendment
- Q. What Amendment to the US Constitution guaranteed equal protection under the law? 5.20
A. The 14 Amendment
- Q. The United States Supreme Court has how many justices? 4.42
A. 9 including the Chief Justice
- Q. What does it take to override a Presidential Veto? 4.42
A. two-thirds majority (2/3) vote in both Houses.
- 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. How long did the 18th Amendment last before being repealed? 5.40
A. 15 years
- Q. What particular group of people did the 14th Amendment seek to protect? 5.20
A. Recently Freed Slaves
- Q. What are the first ten amendments to the US Constitution called? 4.39
A. The Bill of Rights
- Q. What Amendment to the US Constitution shut down the Jack Daniels Distillery in Lynchburg, Tennessee? 5.24
A. The 18 Amendment
- Q. What Amendment to the US Constitution mandated that US Senators would be elected by popular vote? 5.40
A. The 17 Amendment
- Q. The right to an attorney for any accused person is guaranteed by what US Constitutional Amendment? 4.42
A. 6th Amendment
- Q. The Right to Petition the Government is ensured in what US Constitutional Amendment? 4.42
A. 1st 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 Amendment to the US Constitution repealed the 18th Amendment? 5.40
A. The 21 Amendment
- Q. What Amendment to the US Constitution prohibiting states from passing unfair laws? 5.20
A. The 14 Amendment
- Q. Which Article of the US Constitution outlines the crime of Treason? 4.42
A. Article 4
- Q. Freedom of the press is ensured in what US Constitutional Amendment? 4.42
A. 1st Amendment
- Q. Article 1 designates that all US Representatives must be what age before taking office? 4.42
A. 25 years of age
- 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 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. Being tried two times for the same crime is prohibited by what US Constitutional Amendment? 4.42
A. 5th Amendment
- Q. What is the fewest electoral votes any state has? 4.42
A. 3 (seven states and DC have three)
- Q. What was the purpose of the 13th Amendment to the US Constitution? 5.20
A. to Abolish Slavery in America
- Q. Which part of Congress is referred to sometimes as the 'Lower Chamber'? 4.42
A. The US House of Representatives
- 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. What Amendment to the US Constitution banned paying slave-owners for the loss of their slaves? 5.20
A. The 14 Amendment
- Q. What title is conferred upon the leader of the U.S. House of Representatives? 4.42
A. Speaker of the House
- Q. Freedom to peaceably assemble is ensured in what US Constitutional Amendment? 4.42
A. 1st Amendment



- 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. What Amendment to the US Constitution limited the ability of former Confederate leaders to hold federal office? 5.20
A. The 14 Amendment
- Q. The Amendment process is outlined in what Article of US Constitution? 4.41
A. Article 5
- Q. What Amendment to the US Constitution implemented the modern income tax system? 5.40
A. The 16 Amendment
- Q. Who was President when the 13th Amendment to the US Constitution was ratified? 5.20
A. Andrew Johnson
- Q. What Amendment to the US Constitution banned the payment of any debt owed by the Confederate government? 5.20
A. The 14 Amendment
- 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. 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 promises to protect all states from invasion by a foreign power or entity? 4.42
A. Article 4
- Q. Which Article of the US Constitution outlines the powers of Congress? 4.42
A. Article 1
- 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 branch of government enforces the laws? 4.41
A. Executive
- Q. How many amendments make up the Bill of Rights? 4.39
A. 10
- Q. Cruel and unusual punishment is prohibited by what US Constitutional Amendment? 4.42
A. 8th 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. What Amendment to the US Constitution prohibited the production and sale of alcohol? 5.40
A. The 18 Amendment
- 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. 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. What does the constitutional term "ratify" mean? 4.42
A. to give formal consent to
- Q. Section 3 of Article 1 of the US Constitution deals with what part of government? 4.42
A. The US Senate
- 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 armed rebellion in 1787 served as a catalyst for the calling of a Constitutional Convention? 4.39
A. The Shays Rebellion
- 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. 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. Prior to the 17 Amendment how did most US Senators gain their office? 5.40
A. Selected by state legislature
- Q. How many electoral votes are allocated to Tennessee? 4.42
A. Eleven (11)
- Q. What Amendment to the US Constitution guaranteed the right to vote regardless of race or color? 5.20
A. The 15 Amendment
- Q. The US Secretary of State is part of which branch of government? 4.42
A. The Executive Branch
- Q. Which part of Congress is referred to sometimes as the "Upper Chamber?" 4.42
A. The US Senate
- 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. Laws designed to separate and limit full rights to black citizens are referred to as what? 5.41
A. Jim Crow Laws
- 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. 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 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. What branch of government deals mainly with the creation of laws? 4.41
A. The Legislative Branch
- Q. Who was the first US Secretary of State? 4.46
A. Thomas Jefferson
- Q. Having separate schools for black and white children was an example of what type law? 5.41
A. Jim Crow Laws
- Q. Who presides over the US House of Representatives? 4.42
A. The Speaker of the House
- Q. Unreasonable searches and seizures is prohibited by what US Constitutional Amendment? 4.42
A. 4th Amendment
- Q. What body of government ratifies treaties with other nations? 4.42
A. The US Senate
- 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. Freedom of Religion can be found in what amendment? 4.42
A. 1st Amendment
- Q. The right to bear arms is ensured in what US Constitutional Amendment? 4.42
A. 2nd Amendment
- Q. Article 2 of the US Constitution defines what branch of government? 4.42
A. The Executive Branch
- Q. How do you determine a state's electoral votes? 4.42
A. By adding the number of US Representatives and Senators.



- 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. What is the introductory statement of the US Constitution outlining its fundamental and guiding principles? 4.42
A. The Preamble
- 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. What is the fewest number of US Representatives that any state has in Congress? 4.42
A. 1 (Seven states just have 1)
- 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. The US Speaker of the House is part of which branch of government? 4.42
A. The Legislative Branch
- 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. 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 defined how many states had to ratify the US Constitution in order for it to go into effect? 4.42
A. Article 7
- Q. What is the term of office for a United States Senator? 4.42
A. Six years
- Q. Which Article of the US Constitution outlines the powers of President? 4.42
A. Article 2
- Q. What branch of government determines if a law is unconstitutional? 4.41
A. The Judicial Branch
- Q. What is a simple definition of the Constitutional term Article? 4.42
A. Part
- Q. Article 3 of the US Constitution defines what branch of government? 4.42
A. The Judicial Branch
- Q. Article 1 designates that all US Senators must be what age before taking office? 4.42
A. 30 years of age



- 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. Which Article of the US Constitution outlines and defines the Electoral College? 4.42
A. Article 2
- Q. Which state has the largest number of US Representatives? 4.42
A. California (53)
- Q. Which Article of the US Constitution outlines the powers of Vice-President? 4.42
A. Article 2
- Q. What Amendment to the US Constitution guaranteed full citizenship to anybody born on American soil? 5.20
A. The 14 Amendment
- 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. Who leads the Supreme Court of the United States? 4.41
A. The Chief Justice
- Q. What is the fewest electoral votes any state has? 4.42
A. 3 (seven states and DC have three)
- Q. Freedom to speedy trial is ensured in what US Constitutional Amendment? 4.42
A. 6th Amendment
- Q. Freedom of the Press is ensured in what US Constitutional Amendment? 4.42
A. 1st Amendment
- Q. How many United States Senators does each state have? 4.42
A. Two (2)
- Q. What Amendment to the US Constitution prevented any state from prohibiting any of its residents the full privileged of American citizenship? 5.20
A. The 14 Amendment
- Q. Members of the US Military are technically members of what branch of government? 4.42
A. The Executive Branch
- Q. What principal within our US Constitution divides the influence among different entities within our Government? 4.41
A. Separation of Powers
- 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



- Q. What does the word Posterity (PAHS-STAIR-UH-TEE) in the Preamble mean? 4.42
A. future generations of people
- 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. Which Article of the US Constitution outlines trial by Jury in the State where the crime was committed? 4.42
A. Article 3
- 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. Article 1 of the US Constitution defines what branch of government? 4.42
A. The Legislative Branch
- 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. What is the approximate size, in population, of a US Congressional District? 4.42
A. 700,000 people
- Q. What does the term enfranchise mean? 5.24
A. Give The right to vote
- Q. Having soldiers quartered in your home during peacetime is prohibited by what US Constitutional Amendment? 4.42
A. 3rd Amendment
- Q. What Amendment repealed the "Three-Fifths" clause in the US Constitution? 5.20
A. The 14 Amendment
- Q. Which Article of the US Constitution includes the President's Oath of Office? 4.42
A. Article 2
- 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. 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 state was admitted to the union during the Compromise of 1850? 4.67
A. California
- Q. What is the term of office for a United States Representative? 4.42
A. Two years



- Q. What Amendment to the US Constitution guaranteed that all male citizens over 21 had the right to vote? 5.20
A. The 14 Amendment
- Q. Which article of the US Constitution defines the sovereignty of the United States? (SOV-URN-TEE) 4.42
A. Article 6
- Q. What is the most electoral votes any state has? 4.42
A. California has 55
- 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 state was admitted to the union during the Compromise of 1850? 5.40
A. California
- 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. What principal within our US Constitution makes it difficult for one person to have absolute control of the government? 4.41
A. Separation of Powers
- Q. The 18 Amendment is often referred to by what name? 5.40
A. Prohibition (PRO-UH-BISH-UN)
- Q. Who was the first US Secretary of the Treasury? 4.46
A. Alexander Hamilton
- 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. Which Article of the US Constitution outlines the powers of Supreme Court? 4.42
A. Article 3
- Q. What happens if a vote is tied in the US Senate? 4.42
A. The Vice-President breaks the tie
- Q. Which branch of government is responsible for signing bills into law? 4.41
A. The Executive Branch
- Q. What was the first Amendment to be ratified in the 20th Century? 5.40
A. The 16 Amendment



-
- Q. During what war was the 13th Amendment to the US Constitution passed? 5.20
A. The Civil War
- Q. What is literally the “Highest Court in the Land?” 4.42
A. The Supreme Court
- Q. Having separate water fountains for black and white citizens was an example of what type law? 5.41
A. Jim Crow Laws
- Q. What describes how each branch of government limits and shares powers with the other branches? 4.41
A. Checks and Balances



- Q. What were "normal" schools?
A. Schools founded to train teachers LSED
- Q. What are colors called that are opposite each other on the color wheel?
A. Complementary or Contrasting VA 2.1
- Q. What is the number one state in the United States for SPAM consumption?
A. Hawaii THES 5.
- Q. What is an ingredient that helps make bread tender?
A. Shortening THES 5.
- Q. In what town is Austin Peay State University located?
A. Clarksville LSED
- Q. Which class of fire involves wood, cloth, and paper?
A. Class "A" fire THES 10
- Q. What is defined as the influence your contemporaries or friends have upon you?
A. Peer Pressure THES 13
- Q. What is the method of drawing done without any help from any drawing instruments?
A. Freehand VA 1.3
- Q. Most fast foods are high in fat and what?
A. Sodium THES 5.
- Q. What are you required by Tennessee state law to do each time you ride in a car?
A. Wear seat belt THES 10
- Q. At what temperature should your home freezer be set on?
A. 0 degrees Fahrenheit 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 tool used to study color schemes?
A. The Color Wheel VA 2.1
- Q. What is the main use of an emery bag on a pin cushion?
A. To keep needles and pins sharp VA 1.1
- Q. Exercise makes your bones what?
A. Stronger THES 4.
- Q. What is the name given to an earthquake which follows another earthquake?
A. An Aftershock THES 11



- Q. One gram of fat contains how many calories?
A. 9
THES 5.
- Q. What machine has a needle bar, a throat plate, and a bobbin?
A. Sewing machine
VA 1.1
- Q. How often should you have a dental check-up?
A. 2 times per year (every 6 months)
THES 2.
- 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 approximate size of a lightning bolt?
A. Only 3/4 inch
THES 11
- Q. What is the name of the three-legged supporting stand used to hold a camera steady?
A. Tripod
VA 1.1
- Q. What mineral helps the thyroid gland to work properly and is usually found in salt?
A. Iodine
THES 5.
- Q. What is defined as the ratio of lean body weight to fat body weight?
A. Body composition
THES 5.
- Q. A tornado with wind speeds of 300 miles per hour would be considered what class tornado?
A. F-5
THES 11
- Q. What do the letters C P R stand for?
A. Cardiopulmonary Resuscitation (pronounced CAR-DEE-O-PULL-MON-AIR-EE REE-SUS-UH-TAY-SHUN)
THES 10
- Q. What is the grain from which flour is made?
A. Wheat
THES 5.
- Q. What is the term for something which can be seen through clearly, like glass?
A. Transparent
VA 2.1
- Q. What state university in Tennessee changed its name in 1994?
A. University of Memphis from Memphis State University
LSED
- Q. What type of painting is the hardest to clean-up?
A. Oil Painting
VA 1.2
- Q. What is the proper name for deer meat?
A. Venison
THES 5.
- Q. Which class of fire occurs in electrical wiring and electronic equipment?
A. Class "C" fire
THES 10



- Q. What are the building blocks of protein?
A. Amino Acids THES 5.
- Q. Your body turns extra protein into what?
A. Fat THES 5.
- Q. What scale is used to classify a tornado?
A. Fujita Scale (pronounced FEW GEE TA) THES 11
- Q. What type drug speeds up the central nervous system?
A. Stimulant THES 13
- Q. What is an unplanned event that usually results in an injury or damage?
A. Accident THES 10
- Q. What group of diseases is characterized by uncontrolled growth and spread of abnormal cells?
A. Cancer THES 9.
- Q. What percent of traffic accidents are alcohol related?
A. 60 percent THES 13
- Q. What bugs spread Rocky Mountain Spotted Fever and Lyme Disease?
A. Ticks THES 9.
- Q. When sewing what is worn on the middle finger of your sewing hand to push the needle through the fabric?
A. Thimble VA 1.1
- Q. What kind of camera lens can bring your subject closer to you?
A. Telephoto VA 1.1
- Q. What food group do dry beans fit into?
A. Meat group THES 5.
- Q. In canning, what is the space left at the top of the container called?
A. Head Space THES 5.
- Q. In sewing, what is the guide or directions for making a specific garment called?
A. Pattern VA 2.3
- Q. Tusculum College, Tennessee's oldest college, is how much older than the University of Tennessee?
A. One Day! (Tusculum founded on Sept. 9, 1794 and the University of Tennessee on Sept. 10, 1794) LSED
- Q. Dietary guidelines recommend that persons obtain at least what percent of their daily calories from carbohydrates?
A. 50 THES 5.



- Q. Where does Tennessee rank in the nation for childhood obesity?
A. Fifth (5th) Highest! THES 9.
- Q. What is the safest method to defrost frozen foods?
A. In the refrigerator THES 5.
- Q. This part of the UT System does not have any undergraduate students but houses the UT School of Medicine and Dentistry?
A. The University of Tennessee at Memphis LSED
- 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 is a chemical compound essential to good nutrition and bone structure?
A. Mineral THES 5.
- Q. What is a picture that is woven in cloth and hung on a wall?
A. Tapestry (pronounced TAP-ISS-TREE) VA 1.3
- Q. What was the first of the "normal" schools to enroll students?
A. Middle Tennessee Normal School LSED
- Q. What Tennessee city is the home of UTC?
A. Chattanooga (University of Tennessee at Chattanooga) LSED
- Q. What type of drug produces sleep or stupor while at the same time relieving pain?
A. Narcotics THES 13
- 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. Which school in the University of Tennessee is located in East Tennessee?
A. The University of Tennessee at Knoxville LSED
- Q. What is the type of knitting done with a long hooked needle?
A. Crochet VA 1.2
- Q. How long does it take the sound of thunder to travel a mile?
A. 5 seconds THES 11
- Q. What are proteins in food which aid in the maturing of food?
A. Enzymes 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. Panning, F-Stop, and Depth of Field are terms found in which art form?
A. Photography VA 1.2



- Q. What do azalea, iris, and holly have in common? THES 11
A. They are common house plants which are poisonous
- Q. What is the unit by which food energy is measured? THES 5.
A. Calorie
- Q. What is the material called that gives fabric body and shaping? VA 2.3
A. Interfacing
- 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 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. What is the term for predicting what the weather will do? THES 11
A. Forecasting
- 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 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. What is skim milk? THES 5.
A. Whole milk with the fat or cream removed
- Q. What state university was first named Hall-Moody Institute? LSED
A. University of Tennessee at Martin (would accept simply UT-Martin)
- Q. What is the term for the exceptionally high tides which accompany hurricanes causing much damage? THES 11
A. Storm Surge
- Q. In what direction do Tornados generally travel? THES 11
A. Northeast
- Q. What current university was at one time known as Tennessee A & I State Normal College? LSED
A. Tennessee State University
- Q. What color is defined as a pale or light purple? VA 2.1
A. Lavender or Lilac
- 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? THES 5.
A. Pasteurization (pronounced PASS-TER-UH-ZAY-SHUN)
- Q. What type nutrient in food provides energy to the body? THES 5.
A. Carbohydrates



- Q. What insect is spreading the West Nile Virus in this country? THES 9.
A. Mosquito
- Q. Which school in the University of Tennessee system is located in Southeast Tennessee? LSED
A. The University of Tennessee at Chattanooga
- Q. What is the woven edge on either side of a piece of fabric? VA 2.3
A. Selvage
- Q. What is the term for the removal of water from food? THES 5.
A. Dehydrated
- Q. What is the tool with a sharp point and a small blade that is used to remove stitches from fabric? VA 1.1
A. Seam Ripper
- Q. Carbohydrates provide how many calories per gram. THES 5.
A. 4
- Q. What national organization issues weather watches and warnings? THES 11
A. The National Weather Service
- 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. U. T. was officially named the University of Tennessee in 1879. What was its' name immediately LSED
prior to this change?
A. East Tennessee University
- Q. Name the only state university in Tennessee named for a former governor? LSED
A. Austin Peay State University
- Q. What is the meat from young dairy and beef calves? THES 5.
A. Veal
- Q. What type of drug is alcohol? THES 13
A. Depressant
- Q. What type camera lens allows you to frame more area from right to left? VA 1.1
A. Wide-angle lens
- Q. What is a "PFD" as it relates to safety? THES 10
A. A Personal Flotation Device
- Q. What happened to the University of Tennessee at Nashville? LSED
A. It is now part of Tennessee State University
- 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 made by putting many motifs together? VA 2.3
A. Pattern
- Q. When mowing on slopes with a push mower, in which direction should you mow? THES 10
A. Across the slope
- Q. What is the term for getting all of your subject in the photograph? VA 2.3
A. Framing your subject
- Q. What is a list of dishes or foods served at a meal? THES 5.
A. Menu
- Q. What is the term for the main object you want in your photograph? VA 2.3
A. Subject
- Q. What is a substance that prevents bacterial growth called? THES 9.
A. Antibiotic
- Q. What is a drug which can only be purchased with a physician's order? THES 13
A. Prescription Drugs
- Q. What is the leading cause of infant deaths in Tennessee? THES 9.
A. Low birth weight
- Q. At what temperature should cold foods be stored? THES 5.
A. 40° F or colder
- Q. Which class of fire involves flammable liquids, gases, oil and grease? THES 10
A. Class "B" fire
- Q. In what town is East Tennessee State University located? LSED
A. Johnson City
- Q. What grain is pasta made from? THES 5.
A. Wheat
- Q. What is the statement issued when a Tornado has been spotted? THES 11
A. Tornado Warning
- Q. What is the term for introducing an undesirable element? THES 5.
A. Contamination
- Q. What type of accident causes the most deaths in the United States? THES 10
A. Motor Vehicles
- Q. As it relates to clothing, why do we use pinking shears? VA 1.1
A. Cutting zig-zag edges on cloth to prevent fraying



- 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. Why should a person warm up their muscles with stretching exercises?
A. Cold muscles are more prone to injuries THES 4.
- Q. The color teal is defined as what?
A. Dark greenish blue VA 2.1
- Q. What can be defined as a style that gains sudden popularity and declines quickly?
A. Fad THES 13
- 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 standard number for information?
A. 411 or 1411 THES 11
- Q. What is the photographic term for taking a picture with no flash?
A. Existing light photography VA 2.3
- Q. Oranges, lemons, and tangerines are what kind of fruits?
A. Citrus Fruits THES 5.
- Q. What university in Tennessee was originally known as Grant University?
A. UT Chattanooga LSED
- Q. What state university was at one time known as "T P I"?
A. Tennessee Tech University LSED
- Q. What is the term for something that cannot be seen through?
A. Opaque VA 2.1
- Q. In sewing, what is pivoting?
A. Turning a corner VA 2.1
- Q. What is the phone number for the Tennessee Poison Control Center?
A. 1-800-222-1222 or 1-423-222-1222 THES 11
- Q. Which school in the University of Tennessee system is located in West Tennessee?
A. The University of Tennessee at Martin LSED
- Q. What natural occurrence kills the most people in the United States?
A. Lightning THES 11
- Q. If you add black to a color to make it darker, you are changing the color's what?
A. Shade VA 2.1



- Q. Foods high in soluble fiber can lower what substance in your blood? THES 5.
A. Cholesterol
- Q. What is the statement issued when conditions are favorable for a Tornado to occur? THES 11
A. Tornado Watch
- Q. What vitamin helps your body utilize calcium better? THES 5.
A. Vitamin D
- 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. What should be dialed in case of emergency? THES 11
A. 911
- Q. What type of fat is liquid at room temperature? THES 5.
A. Unsaturated
- Q. How are ingredients on a food label listed by nutritional importance? THES 5.
A. From most to least
- Q. What university in Tennessee was originally known as Dixie College? LSED
A. Tennessee Tech University
- 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. What class tornado would have winds of 100 miles per hour? THES 11
A. F-1
- Q. What is the term for a disease that is transmitted to humans by food? THES 5.
A. Foodborne Illness
- Q. What can be added to fruit to prevent it from browning in the freezer? THES 5.
A. Ascorbic Acid (pronounced AS-SCORE-BIC)
- Q. At what wind speed does a tropical storm become a hurricane? THES 11
A. Above 74 mph
- Q. Where is the University of Tennessee Space Institute located? LSED
A. Tullahoma
- Q. What is the term for the way a surface feels when touched? VA 2.1
A. Texture
- Q. Americans get most of their sodium intake from what ingredient added to foods during processing? THES 5.
A. Salt



- Q. If you add white to a color, you change the color's what? VA 2.1
A. Tint
- Q. A drug or other substance which produces delusions is called a what? THES 13
A. Hallucinogen (pronounced HUH-LOOSE-UN-UH-GIN)
- Q. What is the cancer causing radioactive gas that can seep into your home from underground? THES 9.
A. Radon
- Q. What is the name of an art work made by gluing different things down on a flat surface? VA 2.3
A. Collage
- Q. When studying colors, what are colors called that contain blue? VA 2.1
A. Cool Colors
- Q. What radar system has greatly improved the forecasting of tornados? THES 11
A. Doppler
- Q. What is the most preventable cause of death in our society? THES 13
A. Smoking
- Q. What is the addictive agent found in Tobacco? THES 13
A. Nicotine
- Q. What is the recommended amount of time for proper handwashing? THES 2.
A. 20 seconds
- 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. What is the term for adding a desirable substance to a food increasing the food value? THES 5.
A. Fortified
- Q. Which state university traces its origins to Blount College founded in 1794? LSED
A. The University of Tennessee
- Q. What 3 pieces of equipment make up the work triangle in the kitchen? THES 5.
A. Stove, Sink, Refrigerator
- Q. Which boat has the right of way...a motor boat or a sail boat? THES 10
A. The sail boat
- Q. Which tornado would be more dangerous an F-1 or an F-5? THES 11
A. F-5
- Q. What Tennessee university is located near Sewanee, Tennessee? LSED
A. The University of the South



- Q. What is the term for using parts of things to make a shape, form, or pattern rather than making it look real? VA 1.3
A. Abstract
- Q. In what town is Tennessee Tech University located? LSED
A. Cookeville
- Q. Which type of cancer kills the most people in the United States? THES 9.
A. Lung Cancer
- Q. What is the term used for when a liquid becomes a soft semi-solid mass? THES 5.
A. Coagulate
- Q. What kind of paint is made of powder mixed with glue and water? VA 1.2
A. Tempera
- Q. What is the normal resting heart rate (heart beats per minute)? THES 4.
A. 60 to 90
- Q. What nutrient helps keep the body temperature at a normal level? THES 5.
A. Water
- Q. What is the most common stitch on a sewing machine? VA 2.1
A. Straight Stitch
- Q. What is the term for the outer edges of a flat surface? VA 2.1
A. Shape
- Q. What is the type of craft where you paint on a wooden surface? VA 1.3
A. Tole Painting
- Q. What is the term for the drying out of frozen food that has been improperly packaged? THES 5.
A. Freezer Burn
- 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. At what temperature should your refrigerator be set? THES 5.
A. Between 32 degrees and 40 degrees Fahrenheit
- Q. What does the term linear mean? VA 2.1
A. Consisting of lines
- Q. What harmful substance is in the paint of most houses built before 1960? THES 10
A. Lead
- Q. What does the term motif mean? VA 2.1
A. A single design unit which can be repeated



- Q. What was the original name of East Tennessee State University? LSED
A. East Tennessee State Normal School
- Q. What single food item contributes the most dietary fat to the American diet? THES 5.
A. Hamburger
- 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 nutrient needed to prevent anemia? THES 5.
A. Iron
- Q. What disease did Jonas Salk eradicate with his vaccine? THES 9.
A. Polio
- Q. What state university was first named West Tennessee State Normal School? LSED
A. University of Memphis
- Q. To prevent concussions when cycling, what piece of equipment should you wear? THES 10
A. Helmet
- Q. What is the name for vitamin B1? THES 5.
A. Thiamin (pronounced THY UH MUN)
- Q. What is the term for the passing of nutrients into the blood stream? THES 5.
A. Absorption
- Q. What is the largest voluntary health organization in the world? THES 9.
A. American Cancer Society
- Q. What type drug can be bought without a physician's order? THES 13
A. Over-the-Counter Drug
- Q. Name the two types of dietary fiber? THES 5.
A. Soluble and Insoluble
- 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 does the term rancid mean? THES 5.
A. Offensive smell (It STINKS!)
- Q. In what town is Middle Tennessee State University located? LSED
A. Murfreesboro
- Q. How many teaspoons of sugar does a typical 12 ounce can of carbonated soft drink contain? THES 5.
A. 10



- Q. What does the size of the lens opening of a camera effect?
A. Depth of field in focus VA 1.1
- Q. What is the most important tool you have to prevent foodborne illness?
A. Good personal hygiene THES 2.
- Q. Emergency responders pay close attention to NOAA weather radio reports in preparing for emergencies. What does NOAA stand for?
A. the National Oceanic and Atmospheric Administration THES 11
- Q. Concerning interior design, what is the meaning of the word emphasis?
A. Center of interest VA 2.3
- Q. At what time of the day do most lightning deaths occur?
A. Afternoon THES 11
- Q. What is the nutrient of food needed to build and repair body tissues?
A. Protein THES 5.
- Q. What is the part of the scene that appears behind the subject in a photograph?
A. Background VA 2.1
- 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 is defined as a substance that, when put into your body, can alter the way your body works?
A. Drugs THES 13
- Q. What term refers to the brightness or dullness of a color?
A. Intensity VA 2.3
- Q. What is the light proof area used for processing film?
A. Darkroom VA 1.1
- Q. What method of cooking comes from the French word meaning "to jump" and is usually done to onions and mushrooms?
A. Saute (pronounced SAW-TAY) THES 5.
- Q. What is used in sewing to give shape to a garment by rounding flat fabric to fit curves?
A. Darts VA 1.3
- Q. What nutrient builds bones and teeth?
A. Calcium THES 5.
- Q. What is the first responsibility of any baby sitter?
A. Safety of the child THES 10
- Q. Jogging would be considered what type of exercise?
A. Aerobic Exercise THES 4.





- 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 a term for the genetic material of a given organism? 7.LS3.2
A. Genome (GEE-NOAM)
- 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. Which two gasses make up the greatest percentage of the atmosphere of the Earth? 7.ESS3.1
A. Oxygen and Nitrogen
- Q. What are tiny cell structures that carry out specific functions within the cell? 7.LS1.1
A. Organelles
- Q. What structure is responsible for coordinating growth, metabolism, and the reproduction of the cell? 7.LS1.3
A. The nucleus
- 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. Digesting food would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- 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. Which type of cell would have cilia? 7.LS1.1
A. Animal Cells
- Q. The rusting of iron would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- 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. From a chemical standpoint how would you classify the substance NaCl (N-A-C-L)? 7.PS1.5
A. A compound
- Q. What structure in the cell is responsible for storing the cells DNA? 7.LS1.1
A. The nucleus
- Q. What organelle within the cell is responsible for photosynthesis? 7.LS1.1
A. Chloroplasts
- Q. Chemically speaking table salt would be classified as a what? 7.PS1.3
A. A Compound



- Q. Which two gasses make up the greatest percentage of the atmosphere of the Earth?
A. Oxygen and Nitrogen 7.ESS3.1
- Q. From a chemical standpoint how would you classify the substance CO₂ (C-O-2)?
A. A compound 7.PS1.5
- Q. What structure is responsible for the support and protection of the animal cell?
A. Cell membrane 7.LS1.3
- Q. What type cell has a cell wall?
A. Plant Cell 7.LS1.3
- Q. If the reactants have a mass 5 grams before a Chemical reaction, what would you expect the product's mass to be?
A. 5 grams also 7.PS1.4
- Q. The element Hydrogen is designated on the Periodic Table (PEER-E-ODD-TICK) as what?
A. H 7.PS1.5
- Q. The element Potassium is designated on the Periodic Table (PEER-E-ODD-TICK) as what?
A. K 7.PS1.5
- Q. Migration is an example of what kind of adaptation?
A. Behavioral 7.LS1.6
- Q. What is the term for the water movement through plants?
A. Transpiration (pronounced TRANS-PER-RAY-SHUN) 7.LS1.9
- Q. What is the universal solvent?
A. Water 7.PS1.5
- Q. What are the three main structures of a cell?
A. Membrane, nucleus, cytoplasm 7.LS1.3
- Q. What is the term for the number of protons found in the nucleus of an atom?
A. The Atomic Number 7.PS1.5
- Q. The element Gold is designated on the Periodic Table (PEER-E-ODD-TICK) as what?
A. Au 7.PS1.5
- Q. What is classified as an animal that is cold-blooded and breathes with gills in the water?
A. A Fish 7.LS1.3
- Q. What is another term for having a variety of life in a given place?
A. Biodiversity (BYO-DUH-VERSE-UH-TEE) 7.LS1.6
- Q. The element Iron is designated on the Periodic Table (PEER-E-ODD-TICK) as what?
A. Fe 7.PS1.5



- Q. Which type of cell would have Lysosomes? 7.LS1.1
A. Animal Cells
- Q. What are the three main structures of a cell? 7.LS1.1
A. Membrane, nucleus, cytoplasm
- Q. What is a substance consisting of two or more atoms from different elements that can be separated by physical means? 7.PS1.3
A. A Mixture
- 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. What structure in the cell is responsible for storing the cell's DNA? 7.LS1.3
A. The nucleus
- Q. Animals produce Carbon Dioxide during what process? 7.LS1.9
A. Respiration
- Q. What are the fundamental particles which make up matter? 7.PS1.1
A. Atoms
- 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. Animals basically breathe in what and exhale what? 7.LS1.9
A. Breathe in Oxygen and exhale Carbon Dioxide
- Q. A difference between members of the same population is a what? 7.LS1.6
A. Variation
- 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. Binary fission is an example of what type of reproduction? 7.LS1.7
A. Asexual Reproduction
- 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. What is a substance which has properties different than its components? 7.PS1.3
A. A Compound
- Q. What is the jellylike fluid inside the cell in which the organelles are suspended? 7.LS1.1
A. Cytoplasm



- 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. Elements arranged in a row on the Periodic Table (PEER-E-ODD-TICK) are called what? 7.PS1.5
A. Periods
- 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 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. 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. Toads having long sticky tongues is an example of what type of Adaptation (ADAP-TAY-SHUN)? 7.LS1.6
A. Structural Adaptation
- Q. What organelle within the cell produces proteins? 7.LS1.1
A. Ribosomes (Pronounced RIBE-O-SOAMS)
- 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. Burning wood would be an example of what kind of change? 7.PS1.5
A. Chemical Change
- 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. What are the building blocks of all life? 7.LS1.1
A. Cells
- 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. Melting and ice cube would be an example of what kind of change? 7.PS1.5
A. Physical Change
- Q. What is the study of Heredity called? 7.LS3.2
A. Genetics
- Q. From a chemical standpoint how would you classify the substance H₂O (H-2-0-)? 7.PS1.5
A. A compound



- Q. Fragmentation (Pronounced Frag-MENT-TAY-SHUN) is an example of what type of reproduction? 7.LS1.7
A. Asexual Reproduction
- Q. What organelle within the cell is considered the brain of the cell? 7.LS1.1
A. Nucleus
- 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 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. The total amount of matter found in an atom is designated as that atom's what? 7.PS1.5
A. Atomic Mass
- Q. What type of reproduction produces offspring identical to one parent? 7.LS1.7
A. Asexual Reproduction
- Q. What structure is responsible for the support and protection of the plant cell? 7.LS1.1
A. Cell wall
- Q. What are the basic substances which make up the Periodic Table (PEER-E-ODD-TICK)? 7.PS1.5
A. Elements
- Q. Which type of reproduction would produce an offspring that is genetically unique? 7.LS1.7
A. Sexual Reproduction
- 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. The toxicity and the flammability of a substance would be examples of what property? 7.PS1.5
A. Chemical Property
- Q. Elements arranged in a column on the Periodic Table (PEER-E-ODD-TICK) are called what? 7.PS1.5
A. Groups
- Q. The element Carbon is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. C
- Q. What is classified as an animal that is cold-blooded and is covered with scales? 7.LS1.3
A. A Reptile
- Q. The element Chlorine is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Cl
- Q. From a chemical standpoint how would you classify the substance Fe (F-E)? 7.PS1.5
A. An element



- 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. Plants basically breathe in what and exhale what? 7.LS1.9
A. Breathe in Carbon Dioxide and exhale Oxygen
- Q. The element Oxygen is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. O
- Q. The element Nitrogen is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. N
- Q. A opossum playing dead is an example of what kind of adaptation? 7.LS1.6
A. Behavioral
- 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. What is a zygote? (Pronounced ZI-GOAT) 7.LS3.2
A. A fertilized egg
- Q. Chemically speaking soil would be classified as a what? 7.PS1.3
A. A Mixture
- Q. What is a genotype? (pronounced JEAN-O-TYPE) 7.LS3.2
A. The genetic makeup of an organism?
- Q. Chemically speaking water would be classified as a what? 7.PS1.3
A. A Compound
- 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. Which type of cell would have one large central vacuole? (Pronounced VACK -U- UL) 7.LS1.3
A. Plant Cells
- 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. 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. 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. What is a cellular structure in an animal cell that helps organize cell division? 7.LS1.1
A. Centriole



- Q. What is a phenotype? (pronounced FEAN-O-TYPE) 7.LS3.2
A. An animals physical characteristics
- Q. What type of reproduction will combine the gentic material of two parents? 7.LS1.7
A. Sexual Reproduction
- Q. What is the term for when a parent cell splits into two identical offspring cells? 7.LS1.7
A. Binary Fission
- Q. What regulates passage of materials in and out of the the cell nucleus? 7.LS1.1
A. Nuclear Membrane
- 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. What is appromimately equal to the number of protons and neutrons found in an atom? 7.PS1.5
A. Atomic Mass
- Q. What structure is responsible for coordinating growth, metabolism, and the reproduction of the cell? 7.LS1.1
A. The nucleus
- Q. What organelle within the cell stores water and other materials? 7.LS1.1
A. The Vacuole (Pronounced Vack-U-ULL)
- Q. What is classified as an animal that has a head, a thorax, and abdomen? 7.LS1.3
A. An Insect
- Q. Plants produce oxygen during what process? 7.LS1.9
A. Photosynthesis
- Q. What structure is responsible for the support and protection of the plant cell? 7.LS1.3
A. Cell wall
- Q. What organelle within the cell contains the DNA? 7.LS1.1
A. Nucleus
- Q. What is termed as a specific physical characteristic which varies from one individual to another? 7.LS3.2
A. A trait
- Q. What organelle within the cell provides energy for celluar respiration? 7.LS1.1
A. Mitochondria (Pronounced MITE-UH-CON-DREE-UH)
- 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 building blocks of all life? 7.LS1.3
A. Cells



- Q. The element Sodium is designated on the Periodic Table (PEER-E-ODD-TICK) as what? 7.PS1.5
A. Na
- 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 is the cell wall of a plant composed of? 7.LS1.1
A. Cellulose
- Q. What organelle within the cell is know as the powerhouse of the cell? 7.LS1.1
A. Mitochondria (Pronounced MITE-UH-CON-DREE-UH)
- Q. What is a substance required to start a chemical reaction? 7.PS1.4
A. Reactant
- Q. Chemically speaking baking soda would be classified as a what? 7.PS1.3
A. A Compound
- 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 structure is responsible for the support and protection of the animal cell? 7.LS1.1
A. Cell membrane
- 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. What is a variant form of a given gene? 7.LS3.2
A. An Allele (UH-LEAL)
- Q. Which type of cell would have cilia? 7.LS1.3
A. Animal Cells
- Q. Chemically speaking a peanut butter and jelly sandwich would be classified as a what? 7.PS1.3
A. A Mixture
- Q. What is a substance consisting of two or more atoms from different elements bound together chemically? 7.PS1.3
A. A Compound
- 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. What is a one or two letter notation used to represent an atom of a particular element? 7.PS1.5
A. Chemical Symbol



- Q. Shredding paper would be an example of what kind of change? 7.PS1.5
A. Physical Change
- Q. What are gases which are odorless, colorless and react very little with other elements? 7.PS1.5
A. Noble Gases
- Q. Chemically speaking air would be classified as a what? 7.PS1.3
A. A Mixture
- Q. The color or texture of a substance would be examples of what property? 7.PS1.5
A. Physical Property
- Q. What is a substance that is produced from a chemical reaction? 7.PS1.4
A. Product
- Q. What type cell has a cell wall? 7.LS1.1
A. Plant Cell
- 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. What is the cell wall of a plant composed of? 7.LS1.3
A. Cellulose
- Q. Which type of cell would have Lysomes? 7.LS1.3
A. Animal Cells
- 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. A section of DNA which codes a specific trait is know as what? 7.LS3.2
A. A Gene
- Q. What is the basic unit of all living things? 7.LS1.1
A. Cells