

1. The first group of settlers at this place left after less than year when Francis Drake arrived and agreed to take them back to England. In 1587 a second group led by John White arrived, but war with Spain prevented any supply ships from coming. Historians tend to agree that this colony was absorbed into the Croatan or other nearby Native American groups. Founded by Sir Walter Raleigh, what is this so-called lost American colony?

Answer: Roanoke (Prompt on early: "Lost Colony")

2. This book was written and illustrated in Kenya, and the African landscape inspired the creation of Swomee Swans, Humming-Fish, and Bar-ba-loots. It is narrated by the Once-ler whose business cut down all the Truffula trees, despite constant interventions from the title character who "speaks for the trees." What is this 1971 book, often considered the best work of Dr. Seuss?

Answer: The Lorax

3. Math Calculation Niels wants to find the circumference of a circle with area  $9\pi$ . He knows that the area of a circle is equal to  $\pi$  times the radius squared, and that the circumference is equal to two times  $\pi$  times the radius. If he determines that the radius of the circle is 3 what is its circumference.

Answer: 6 Pi (six times pi)

4. His wife is known as Sif, but little is known about her except that she has golden hair that was once shorn. In one myth this god failed to drink the contents of a horn but later learned he was drinking from the ocean. The object most associated with him returned magically when thrown and is named Mjolnir. Who is this hammer-wielding god of thunder in Norse mythology?

Answer: Thor

5. This gas can be formed by the reaction of sunlight on air containing hydrocarbons and nitrogen oxides, and it is regarded as a pollutant by the World Health Organization. This triatomic molecule is often used water treatment facilities to kill bacteria and reduce yellowing. An allotrope of oxygen, what is this gas found in the upper atmosphere that filters out ultraviolet light?

Answer: Ozone

6. Probably loosely based on Seattle, Washington, this city features a tall structure called the Sea Needle. Barnacle Road and Coral Avenue intersect with Conch Street, dividing this city into areas including downtown, Jellyfish Fields, and Goo Lagoon. What is this underwater city home to the Krusty Krabb as well as Patrick Star and SpongeBob SquarePants?

Answer: Bikini Bottom

7. In 1420 this dynasty moved the capital to Beijing from Nanking and began building the Forbidden City under the emperor Yung-lo. It ended when peasants sacked Beijing and forced its last emperor to commit suicide in 1644. What was this dynasty in China that was replaced by the Manchu Qing dynasty and is famous for its vases?

Answer: Ming Dynasty

8. Designated a branch of the United States mint in 1988, all commemorative coins produced at this location are struck with a "W" mint mark. This site was fortified during the American Revolution and was placed under the command of Benedict Arnold until he tried to surrender it to the British. What is this site located on the Hudson River, the home of the United States Military Academy?

Answer: West Point, New York

9. During WWII the BBC opened broadcasts with this symphony's first four notes which represent the letter "V" for victory in Morse Code, but its composer's secretary Anton Schindler wrote that the notes were supposed to represent fate knocking at the door. Those notes repeat "short, short, short, long" throughout what popular symphony by Ludwig Von Beethoven?

Answer: 5<sup>th</sup> Symphony in C Minor

10. The first attempt to explore it was known as Project Mohole, but it was declared a failure in 1966. A bit of it lies exposed beneath the Atlantic between the Caribbean Sea and the Cape Verde Islands, so geologists have begun studying it there rather than drilling underneath the crust. What is this layer of the earth comprising 70% of its volume that lies between the crust and the core?

Answer: Mantle \_\_\_\_\_ HALFTIME (2 minutes)

11. Her mother received advice from Alexander Graham Bell who put her in contact with the Perkins Institute for the Blind. The school delegated Anne Sullivan as her tutor and helped her write *The Story of My Life* which was adapted into the drama *The Miracle Worker*. Who is this author activist and lecturer, the first deaf blind person to graduate from college?

Answer: Helen Keller

12. He has been criticized for his friendship with Harry Oppenheimer the former chairman of DeBeers and his defense of the diamond industry against the 2006 film *Blood Diamond*. His leadership of the African National Congress led to his 1962 arrest and twenty-seven year imprisonment on Robben Island. An anti-apartheid activist, who is this winner of the 1993 Nobel Peace Prize who became the first democratically elected president of South Africa serving from 1994-1999?

Answer: Nelson Mandela

13. It is the shortest amendment by length, a mere 16 words, but debate over it has been running ever since its ratification. Supreme Court cases dealing with it include US v. Salerno, Furman v. Georgia, and Ingraham v. Wright which deals with spanking in school. Name this amendment, included in the Bill of Rights, which prohibits excessive bail and cruel and unusual punishment.

Answer: 8<sup>th</sup> Amendment

14. The Harding collection on the main floor contains medieval armor and weaponry, but the most visited collections are upstairs. Edward Hopper's *Nighthawks* and Picasso's *Old Guitarist* are among its highlights. Mrs. Henry Field donated the two bronze lions marking its entrance. Located between Millennium Park and Grant Park, what is this Chicago museum?

Answer: Art Institute of Chicago

15. A new model for measuring it was released in 2001, in part because the old model was created by measuring the cooling rate of a bottle of water rather than a human body. The new model accounts for wind speed at the average adult face height as well as the heat transfer rate for bare skin. Generally less than the air temperature, what is this measure of what the temperature feels like on exposed skin?

Answer: Windchill

16. When John Colter, a member of the Lewis and Clark expedition, visited this place in 1808, no one believed his reports of bubbling mud and boiling springs. Site of North America's largest supervolcano, Congress made it the first national park in 1872. What is this national park located mainly in Wyoming and home to the geyser Old Faithful?

Answer: Yellowstone National Park

17. **Math Calculation.** Andre weighs 377 pounds on his scale, but since he bought it on sale, the numbers read in base-8 notation. How much does Andre weigh in normal base-10 pounds? To convert from base-8 to base-10, it is useful to know that instead of ones, tens, and hundreds; base-8 has ones, eights, and sixty-fours.

Answer: 255 lbs

18. Two answers required! They reached Kappa, a Quapaw village near the Arkansas River before turning back. One was a wagon maker by trade and was born in Canada in 1645. The other was born in France and had studied at several Jesuit colleges there before coming to Canada in 1666. Who was this pair of French Canadian explorers who canoed from the Great Lakes down the Mississippi in the 1670s?

Answer: Jacques Marquette and Louis Joliet

19. He originally appeared in the 1902 novel *The Little White Bird*. In it he is only seven days old, and he can fly, because, like all babies, he is part bird. In later versions he is older but still has his baby teeth and wears an outfit made of cobwebs and autumn leaves. Created by J.M. Barrie, the most famous story has him taking the Darling children to Neverland and defeating Captain Hook. Who is this famous character, the 'boy who wouldn't grow up?'

Answer: Peter Pan

20. It consists of an endless vertical conveyor belt that carries electrostatic charges up to a large hollow sphere supported on an insulated fan. The lower end of the belt is grounded, so that charges accumulate on the sphere. The largest one, in Boston's Museum of Science, can generate over 2 million volts. What is this electrostatic device named after a US physicist and often used in museums to make people's hair stand on end?

Answer: Van de Graff Generator

1. At least 22 of the 166 known moons in our solar system contain water in some form. Name these moons from clues for 10 points each.
  - A. All or none, both of these Martian moons may have ice caps.  
Answer: Phobos and Deimos (Both needed)
  - B. All of the Galilean moons of Jupiter are thought to have water in some form except for this moon with its high volcanic activity.  
Answer: Io
  - C. In 2004 the Huygens probe found lakes of liquid hydrocarbons on this largest moon of Saturn, making it the only known celestial object other than Earth to have surface liquids.  
Answer: Titan
  
2. Famously parodied in many different cartoons, tv shows and movies, answer the following about a well-known opera.
  - A. In this opera the title character helps Almoviva and Rosina get married and tries to keep Bartolo away by giving him a shave.  
Answer: The Barber of Seville
  - B. This Italian composed the opera *The Barber of Seville* as well as the opera *William Tell*.  
Answer: Gioachino Rossini
  - C. Give the name of the barber whose marriage was the center of another opera by Mozart.  
Answer: Figaro
  
3. Identify these country music stars who performed at the 2009 Grammy's for ten points each.
  - A. She performed her song "Last Name" from her second album *Carnival Ride* at the Grammy's.  
Answer: Carrie Underwood
  - B. She sang "Fifteen" from her album *Fearless* with Miley Cyrus at the Grammy's.  
Answer: Taylor Swift
  - C. He sang "Better as a Memory" from his *Just Who I am: Poets and Pirates* album.  
Answer: Kenny Chesney
  
4. Identify the following punctuation marks.
  - A. If used incorrectly to link two complete sentences, it is called a splice. When used to separate items in a list this punctuation mark is called a serial one.  
Answer: Comma
  - B. Shorter than a minus sign, this punctuation mark is used to break single words into parts or to join other words together.  
Answer: Hyphen
  - C. This sparingly used punctuation mark can be used to join two closely related sentences without a conjunction and to separate items in list when internal punctuation is used such as in a list of quotations.  
Answer: Semicolon
  
5. Answer the following about Medieval Japan.
  - A. This title was given to the hereditary commanders of medieval Japanese armies. They held absolute rule under the nominal leadership of a nearly powerless emperor.  
Answer: Shogun
  - B. If these Japanese warriors fought bravely and showed loyalty to the Shogun, he would reward them with land.  
Answer: Samurai
  - C. The samurai were held to this code of conduct meaning "Way of the Warrior," that bears some similarities with the codes of chivalry practiced by European knights.  
Answer: Bushido

6. There are six people in a room with ages 31, 7, 36, 7, 24, and 15. You have 15 seconds to answer each of the following.

A. What is the mode of the ages?

Answer: 7

B. What is the median?

Answer: 19.5 (19 ½)

C. What is the mean?

Answer: 20

7. In the 1630's many great thinkers were under attack by the Catholic Church. Name these for 10 points each.

A. Going on trial in Rome, this Italian scientist was forced to retract his defense that the earth revolves around the sun.

Answer: Galileo Galilei

B. Galileo was defending this man's work of a century before. Name this Polish astronomer and mathematician who wrote *On the Revolution of the Celestial Spheres*.

Answer: Nicolaus Copernicus

C. After hearing of Galileo's troubles, this French philosopher and father of analytic geometry, then living in the Netherlands, refused to publish in Catholic France.

Answer: Rene Descartes

8. Identify each of the following Apostles who none of whom wrote a gospel.

A. He and his brother Peter were both fisherman and he introduced Peter to Jesus. He is perhaps better known as the patron saint of Scotland.

Answer: Andrew

B. Often listed as the fifth apostle, he was from the same town as Peter and Andrew. His most notable appearance in the Bible occurs during the Last Supper when he asks about the unity of the Father and the Son.

Answer: Philip

C. He was the first apostle to leave the Roman Empire to teach the gospel, but he is mostly remembered for doubting the Resurrection.

Answer: Thomas

9. Answer the following about an African-American poet and author.

A. Born in Joplin, Missouri but better known for his work in New York City, he wrote the novel *Not Without Laughter* and wrote the poetry collection *The Weary Blues* which contains the poem "The Negro Speaks of Rivers."

Answer: Langston Hughes

B. Name Hughes' most famous poem in which he asks "What happens to," this title concept, "Does it dry up like a raisin in the Sun?"

Answer: "Harlem: A Dream Deferred" or "Montage from a Dream Deferred" or "What Happens to a Dream Deferred?"

C. Hughes was a part of this "rebirth" of African-American culture in the 1920s and 30s named for the neighborhood in New York where it started.

Answer: Harlem Renaissance

10. They are known as the "Great Triumvirate." Name these important politicians of the antebellum period of US history.

A. An advocate of states' rights and nullification, this South Carolina politician served as Vice President under both John Quincy Adams and Andrew Jackson.

Answer: John C. Calhoun

B. This New England politician and orator famously debated with Robert Hayne, helped establish the eastern US border with Canada, and is named in the title of a Stephen Vincent Benet short story.

Answer: Daniel Webster (The story is "The Devil and Daniel Webster")

C. Finally, this Kentucky politician was a leader of the Whig party and was known as "The Great Compromiser" for helping broker the compromises of 1820 and 1850.

Answer: Henry Clay

11. Give the following terms associated with circles for ten points each.
- A. This is the term given to a line segment that extends from the center of a circle to its perimeter.  
Answer: Radius
  - B. This term is given to a line that touches only one point on the perimeter of a circle.  
Answer: Tangent
  - C. This term is given to a closed segment of the circumference or perimeter of a circle.  
Answer: Arc
12. Identify the following works written by English author Rudyard Kipling for 10 points each.
- A. Name Kipling's most famous work, which is actually a series of stories, the most famous of which relates the story of Mowgli a boy who is raised by wolves and who is friends with a bear named Baloo.  
Answer: The *Jungle Book*
  - B. Kipling included this story about a heroic mongoose in *The Jungle Book*, but it is often published separately.  
Answer: "Rikki-Tikki-Tavi"
  - C. This Kipling poem with a two-letter name suggests among other things that a man should be able to risk all his earnings on a single game of chance then lose and start again without ever mentioning the loss.  
Answer: "If"
13. Identify these bacteria found in food or the diseases that they cause, for 10 points each.
- A. The Clostridium bacterium produces toxins in improperly canned foods, and can cause this disease, resulting in muscle paralysis.  
Answer: Botulism
  - B. This genus of bacteria reproduces in the digestive tract and infects all kinds of meat, eggs, and recently peanut butter.  
Answer: Salmonella
  - C. Most cases of food poisoning are caused by this genus of clustered, spherical bacteria.  
Answer: Staphylococcus or Staphylococci (Prompt on Staph)
14. Answer the following about the works of Italian art featured on Italian Euro coins for ten points each.
- A. The back of the Italian 10 Euro cent coin features the face of this woman from a painting by Sandro Botticelli, but the woman's iconic clamshell is not pictured on the coin.  
Answer: The *Birth of Venus*
  - B. The back of the one Euro coin features the *Vitruvian Man* a famous anatomic sketch by this artist also known for his very early drawing of a helicopter among other things.  
Answer: Leonardo Da Vinci
  - C. The 50 Euro cent coin features an equestrian statue of this Roman emperor and stoic philosopher known for his *Meditations*. On his death in 180 CE, his son Commodus became emperor ending the Pax Romana.  
Answer: Marcus Aurelius
15. Answer the following about one of humankind's oldest inventions, the clock.
- A. This kind of clock, used since ancient times, measures the time by the direction of shadows on its face. It didn't work well at night or when cloudy.  
Answer: Sundial
  - B. Galileo was the first to sketch a mechanical clock with one of these oscillators, but Dutch inventor Christian Huygens was the first to build a clock featuring one these devices that moves at a constant rate.  
Answer: Pendulum
  - C. In this much more modern kind of clock the timekeeping element comes from the vibration of electrons as they emit microwaves.  
Answer: Atomic clock

16. It just wrapped up in New York City yesterday. Answer the following about New York's Fashion Week for 10 points each.
- A. Since 1993 New York Fashion Week has been held in this New York City park that is bounded by 5<sup>th</sup> and 6<sup>th</sup> avenues in midtown Manhattan and is also home to the main building of the New York Public Library.  
Answer: Bryant Park
- B. This Chinese-American fashion designer perhaps best known for her wedding gowns made headlines recently for opting out of 2009 Fashion Week due to worries about the economy.  
Answer: Vera Wang
- C. This Bravo reality show hosted by Heidi Klum rewards its top contestants by letting them show off their designs at New York Fashion Week.  
Answer: Project Runway
17. Identify the following terms concerning the growth of a population.
- A. This is a condition that inhibits the growth of a population. Examples include an over abundance of predators or lack of water.  
Answer: Limiting factor or Limiting resource
- B. This term is given to the number of individuals that ecosystem can support due to limiting factors.  
Answer: Carrying Capacity
- C. Not to be confused with carrying capacity, this is the number of people or organisms found within a unit of area.  
Answer: Population Density
18. Answer the following about Charles Lutwidge Dodgson.
- A. Dodgson is better known by this pen name under which he wrote *Alice's Adventure's in Wonderland*.  
Answer: Lewis Carroll
- B. Carroll also wrote this sequel to *Alice's Adventure's in Wonderland* in which Alice encounters the Red Queen and Tweedledum and Tweedledee.  
Answer: Through the Looking Glass
- C. In *Through the Looking Glass*, Humpty Dumpty gives definitions for the words in this poem's first stanza. What is that Carroll poem whose title is sometimes used to refer to nonsensical language?  
Answer: The "Jabberwocky"
19. Identify each of the following wars named for the rough length of time in which they were fought.
- A. This prolonged conflict over the succession of the French throne lasted from 1337 to 1453 and featured the battles of Crecy and Agincourt among dozens of others.  
Answer: Hundred Year's War
- B. Largely a religious conflict between Protestants and Catholics in the Holy Roman Empire, it lasted from 1618 to 1648 and saw the battles of Breitenfield and Lutzen.  
Answer: Thirty Year's War
- C. This war, a preemptive strike launched by Israel against Egypt, Syria, and Lebanon, lasted from June 5<sup>th</sup> through June 10<sup>th</sup> 1967 resulting in Israel taking control of the Sinai Peninsula, Gaza Strip, and Golan Heights.  
Answer: Six-Day War or June War or 1967 Arab-Israeli War or Third Arab-Israeli War
20. Given the three largest cities, name the South American country in which all three are found.
- A. Bogota, Cali, and Medellin  
Answer: Colombia
- B. Buenos Aires, Cordoba, Rosario  
Answer: Argentina
- C. Georgetown, Linden, and New Amsterdam  
Answer: Guyana