

1. Its name means "roofed reptile," and its most prominent features were crisscrossed with blood vessels suggesting that they might have been used as solar collectors and were probably too fragile for defensive purposes. Another mystery is how it could function with only a walnut-sized brain. With a spiked tail and large plates running down its back, what is this dinosaur?

Answer: Stegosaurus

2. Modern scholars have speculated that it might have represented an earthquake, a cavalry unit, or a battering ram and that it was transformed into its mythical form by oral historians. Two spies were said to have hidden in its mouth with 30 more in its belly. Odysseus conceived the plan and built it while sending the other Greeks to hide. What was this giant wooden gift turned trap that won the Greeks the Trojan War?

Answer: Trojan Horse

3. After France offered free land to families who settled in this city, by 1770 it had grown to about 1000 people and was the largest city between New Orleans and Montreal. First settled in 1701 by Antoine de Cadillac, it was seized by Pontiac in 1763 and ceded to the United States by Jay's treaty in 1796. What is this American city that later became home to the auto industry and Motown Records, the largest city in the state of Michigan?

Answer: Detroit

4. Many of this author's characters are grotesquely fat and ultimately are punished for it. Bruno Jenkins is turned into a mouse; Bruce Bogtrotter is forced to eat a giant chocolate cake, Augustus Gloop gets stuck in a pipe, and Aunt Sponge is squashed by a huge piece of fruit. Name the author who created these characters in *The Witches*, *Matilda*, *Charlie and the Chocolate Factory*, and *James and the Giant Peach*.

Answer: Roald Dahl

5. Math Calculation Henri is a less than mediocre math student. He got a 64, a 51, and a 57 on his first three tests and has two tests remaining this semester. Since he can't figure out what he needs to average on the next two tests to get a D-60%, in the class, he asks his friend Guy. What is Guy's answer?

Answer: 64%

6. He was the second person to perform a McTwist after a fellow Bones Brigade member did it in 1984. He landed the first ever 900 in 1999 just before he retired from competition. Since then he has produced the Boom Boom Huckjam tour and created ShredOrDie.com. Also known for his series of video games including the latest, "Proving Ground," who is this pioneer and promoter of skateboarding?

Answer: Tony Hawk

7. Class three ones of these include baseball bats and fishing poles. A good example of a class two one is a wheelbarrow where the wheel acts as the fulcrum. In first class ones the fulcrum is situated between the load and the applied force. What is this simple machine also exemplified by crowbars and see-saws.

Answer: Levers

8. Roger of Howden in the 12th Century was perhaps the first give this word its current meaning. The biblical word "Shoah" is preferred by many Jews to this word which comes from the Greek for "completely burnt." Used since the 18th Century to refer to the violent deaths of a large number of people, it differs slightly from "genocide" because it does not require a homogenous group or groups. What is this term most often associated with the Nazis' attempt to exterminate the Jews?

Answer: Holocaust

9. As a boy he lived on the same block as "Funky Butt" Hall in the Storyville section of New Orleans. His early bands Hot Five and Hot Seven helped establish him as a musician, and his scat-singing on "Heebie Jeebies" helped popularize that style of jazz singing. The oldest person to ever have a number one album with 1964's *Hello, Dolly!*, who is pioneering jazz trumpeter and singer nicknamed "Satchmo"?

Answer: Louis Armstrong

10. It began with a series of clashes of settlers against the Western Confederacy of Native Americans and William Henry Harrison's victory at Tippecanoe. Officially, the war was about the seizure of naval ships and the impressments of sailors. A near disaster after the burning of Washington, what was this war in which Americans won the Battles of Lake Erie and New Orleans, named for the year war was declared?

Answer: The War of 1812 (Accept Tecumseh's War before "naval") _____ HALFTIME (2 minutes)

11. He might have been Ethiopian in origin and many of his stories involve African animals foreign to Europe or Greece. According to Herodotus, he was thrown off a cliff after being judged a thief in Delphi. Who was this man who although born a slave is remembered for his fables such as "The Ant and the Grasshopper" and "The Tortoise and the Hare?"

Answer: Aesop

12. He became a part owner of the Cleveland Cavaliers in 2008 years after establishing his own record label, US Records. His music career began when he joined the R&B group NuBeginnings when he was eleven. His first number one hit was "You Make Me Wanna" from his 1997 album *My Way*. He released the album *8701* in 2001, and his 2004 album *Confessions* featured his hit "Yeah!" Who is this R&B singer whose most recent album is *Here I Stand*?

Answer: Usher Raymond IV

13. Most of the stones used in curling are made from this rock, and the first railroad in the United States was built to haul it across Massachusetts. It has begun to replace marble as a stone used in monuments because it is less susceptible to acid rain. What is this coarse-grained intrusive igneous rock usually featuring large crystals that can be found in New Hampshire quarries and in kitchen countertops?

Answer: Granite

14. He made his work *St. John the Baptist Preaching* so large to answer critics who suggested he used a mold for his previous work *The Age of Bronze*, since it was so lifelike. He had his own pavilion at the 1900 Universal Exhibition in Paris with his sculpture *Balzac* as the premier exhibit. Who was this French sculptor of *The Thinker* and *The Kiss*?

Answer: Auguste Rodin

15. Like the Greeks and unlike the Persians and the Romans, this civilization never created a vast empire under one ruler. Their society consisted of large city-states, each with its own divine ruler. The city of Tikal had a population of 55,000, and the pyramid at Chichen Itza was one of the tallest in the world in 600 AD. Name this civilization that collapsed around 900 AD on the Yucatan Peninsula of present day Mexico.

Answer: Mayans or Maya

16. Among the unusual geologic formations in this state is Crowley's Ridge which divides this state's Delta region and runs through the cities of Paragould, Forrest City, and Helena. Crater of Diamonds State Park near Murfreesboro contains the world's only public diamond mine, and the smallest national park in the US, Hot Springs, is also located here. What is this state whose other cities include Fort Smith, Fayetteville, and Little Rock?

Answer: Arkansas

17. Math Calculation Steve is playing darts and wants to know his expected points after throwing a dart. If he has a one in five chance of scoring 10 points and a four in five chance of scoring 5 points what is his expected points after a throw. To calculate the expected points, you should combine the points and the probability of each option.

Answer: 6 points ($1/5 \cdot 10 + 4/5 \cdot 5 = 6$)

18. Free ones of these particles have a lifetime of less than 15 minutes due to beta decay and are produced during nuclear fission and fusion. Bound ones are stable, and their number determines the isotope of an element. In 1932 physicist James Chadwick proved that they are uncharged particles with about the same mass as a proton. What this particle commonly found in atomic nuclei?

Answer: Neutrons

19. They are more commonly referred to today as the dalit or the "scheduled caste," and were called Harijan by followers of Gandhi. Although most were born into it, some of them gained this caste from killing cattle or for roaming at night. What is the English name for this lowest caste in Hinduism so named because contact with them by upper classes was forbidden?

Answer: Untouchables (Accept early "Dalit;" Prompt on "lowest caste" or equivalent)

20. Although Mark Twain famously criticized this author's "Literary Offences," he is remembered as one of the best Early-American authors for his sea stories and frontier tales. His *The Pioneers* is the first appearance of Natty Bumppo and is the first of his *Leatherstocking Tales*. Who is this author best known for writing *The Last of the Mohicans*?

Answer: James Fenimore Cooper

1. Answer the following about the 17th century French author Charles Perrault.
 - A. Perrault helped create the literary genre of fairy tales. His 1695 collection is subtitled "Tales of," this woman to whom many fairy tales have been attributed.
Answer: Mother Goose "Contes de ma mère l'Oye" or "Tales of my Mother Goose"
 - B. Some believe that Perrault intended the heroine of this story to lose a fur slipper and that the glass slipper came from an error in translation.
Answer: "Cinderella"
 - C. The title character of this Perrault tale helps his impoverished master achieve wealth through trickery and says he "gave up hunting mice, except for amusement."
Answer: "Puss in Boots"
2. Very few, if any, slaves accepted their status. Answer the following about slave rebellions.
 - A. This Roman slave who had been trained as a gladiator led a slave revolt of perhaps 140,000 slaves against Rome. He was killed and his army was defeated by the army of Pompey in 71BCE.
Answer: Spartacus
 - B. Toussaint L'Ouverture led the only successful slave revolt in history from 1791-1802, and helped gain this Caribbean country independence from France.
Answer: Haiti or St. Domingue
 - C. In 1831 this Virginia slave led one of the largest slave rebellions in the United States. After the rebellion, he was executed along with 55 other slaves. His *Confessions* were later fictionalized by William Styron.
Answer: Nat Turner
3. Identify the following types of clouds.
 - A. These clouds form at very high altitudes and have a wispy, feathery appearance.
Answer: Cirrus
 - B. Formed without strong air movement, these clouds form in layers and can block out the sun.
Answer: Stratus
 - C. The tallest clouds, they are hybrids of two common cloud types and can tower over ten miles above the earth's surface producing heavy thunderstorms.
Answer: Cumulonimbus (Prompt on thunderheads; do not accept cumulus)
4. Answer the following about a popular 1996 book turned 2004 movie for ten points each.
 - A. In the both the book and the movie, the story follows a couple, Noah and Allie, who are separated by World War II and ultimately reunited.
Answer: The Notebook
 - B. Name the author of the 1996 novel *The Notebook* who also wrote *Message in a Bottle* and *A Walk to Remember* which were also turned into feature films.
Answer: Nicholas Sparks
 - C. In 2003 Nicholas Sparks published this sequel to *The Notebook* which follows the daughter and son-in-law of Noah and Allie.
Answer: The Wedding
5. Identify these people who played prominent roles in the Reformation for ten points each.
 - A. This German reformer posted his Ninety-Five Theses to a church door in 1517 and argued that salvation could not be bought or sold.
Answer: Martin Luther
 - B. This French-speaking reformer from Geneva extended the insights of Luther and said that the salvation of every individual was predestined.
Answer: John Calvin or Jean Cauvin
 - C. Although he did not create wide-ranging religious reform, this English king, known for his many wives, separated England from the Catholic Church and created the Church of England in 1534.
Answer: Henry VIII (Prompt on Henry)

6. Identify these American paintings.

- A. Perhaps the most famous American painting, this Grant Wood work depicts a farmer and his wife in front of a barn with a pointed window.

Answer: American Gothic

- B. This painting by German-born Emmanuel Leutze commemorates a famous late-night river crossing during the American Revolution.

Answer: Washington Crossing the Delaware

- C. This Winslow Homer painting, named after a strong Atlantic current, shows a man in a small boat struggling against the sea.

Answer: The Gulf Stream

7. The chemistry of combustion is fairly simple, but the results are most definitely awesome. Answer the following about combustion.

- A. For ten points for all three, identify the three chemical elements that are present in simple combustion reactions such as the burning of natural gas.

Answer: Carbon, Oxygen, Hydrogen (do not indicate "yes" or "no" on each part. Teams must have all three to get the points)

- B. Besides energy, name the two products of a complete simple combustion reaction.

Answer: Water (accept water vapor or steam) and Carbon Dioxide (must give both)

- C. Finally, name the compound that is produced during an incomplete combustion. Its chemical notation is CO, and if one inhales this, he or she will become bright red with namesake poisoning.

Answer: Carbon Monoxide

8. Answer the following about right triangles

- A. What is the name of the longest side?

Answer: Hypotenuse

- B. What theorem gives the length of the hypotenuse given the two lengths of the two legs?

Answer: Pythagorean

- C. If the lengths of the legs of a right triangle are 8 and 15, what is the length of the hypotenuse? You have 15 seconds.

Answer: 17

9. Answer the following about the life and works of Laura Ingalls Wilder.

- A. Name the most famous book by Laura Ingalls Wilder in which young Laura's family moves into the Indian Territory of Kansas hoping that the land will be made available for homesteaders.

Answer: Little House on the Prairie

- B. Laura Ingalls Wilder was born in this state which was the setting of the first book in her "Little House" series, *Little House in the Big Woods*.

Answer: Wisconsin

- C. In *Little House on the Prairie* this man, "a wildcat from Tennessee" is the Ingalls' neighbor. He helps Pa build their house and plant their farm, and he also brings Mary and Laura Christmas presents.

Answer: Mr. Edwards

10. Although historians and economists still disagree, identify the following questions about the multiple causes of the Great Depression for ten points each.

- A. Most people could not afford the things factories were making which along with rampant market speculation caused the stock market crash on "Black Tuesday," October 29, of what year?

Answer: 1929

- B. Economist Milton Friedman blamed this central banking authority of the United States which was created in 1913 and is now headed by Ben Bernanke.

Answer: Federal Reserve System (Prompt on "the Fed")

- C. Economist Irving Fisher blamed the depression on a persistent increase in the price of goods. What term is given to this economic condition which results in a negative inflation rate?

Answer: Deflation

11. He transformed music by synthesizing dramatic, poetic, visual and musical elements into massive productions.

- A. Who is this German composer whose enormous works include the four opera cycle *The Ring of the Nibelung* and *Twilight of the Gods*.

Answer: Richard Wagner

- B. This Wagner opera premiered in 1843 is about a ship captain who is condemned to sail a ghostly ship until Judgment Day.

Answer: The Flying Dutchman

- C. This Wagner opera is based on a Gottfried Von Strassberg romance about the love of a knight and a princess. A version of the story was made into a 2006 movie starring James Franco and Sophia Myles

Answer: Tristan and Isolde

12. Answer the following about an ancient Egyptian funerary text.

- A. Also known as "Going Forth By Day," what is the common name for the collection of hymns, spells, and instructions that ancient Egyptians used to guide their loved ones past obstacles on the way to the afterlife?

Answer: The Book of the Dead

- B. The Book of the Dead was written on scrolls made from this paper-like material common in the Nile delta.

Answer: Papyrus

- C. In the most famous section of the Book of the Dead the deceased person's heart is weighed against what object to judge whether the person's heart is "heavy with sins" and thus ineligible for the afterlife?

Answer: an ostrich feather or Ma'at

13. Answer the following about glands and the endocrine system for ten points each.

- A. This pea-sized gland at the base of the brain is the master gland of the endocrine system.

Answer: Pituitary Gland

- B. This butterfly shaped gland in the neck helps control the body's metabolism, and it also produces the hormone calcitonin.

Answer: Thyroid Gland

- C. This organ gland is in both the digestive and endocrine systems. It secretes two major hormones, insulin and glucagon.

Answer: Pancreas

14. Name these players for the Yankees who would probably be shoo-ins for the Hall of Fame if they had not taken steroids.

- A. This Yankees third-baseman was the youngest player to hit 500 career homeruns and is the highest paid player in baseball history.

Answer: Alex Rodriguez (Accept A-Rod)

- B. This seven-time Cy Young award winner who played for Boston, Toronto, and New York was featured in the Mitchell Report for using steroids.

Answer: Roger Clemens

- C. Although his Hall of Fame credentials are not as great as the Clemens or A-Rod, this pitcher, also mentioned in the Mitchell Report, won 4 World Series with the Yankees and is one of 4 active pitchers with 200 wins and 2,000 strikeouts.

Answer: Andy Pettitte

15. Answer the following about a major change in manufacturing, production, and transportation in 18th and 19th century Europe and America.

- A. What is the name given to this momentous transition from manual labor to machine-based production?

Answer: Industrial Revolution

- B. The Industrial Revolution happened thanks in part to the British and American governments' willingness to grant these, which give an inventor exclusive rights over his invention for a fixed period of time.

Answer: Patents

- C. The patent system helped this British inventor monopolize and profit from his invention of an improved steam engine. Today the SI unit of power is named for him.

Answer: James Watt

16. Identify these figures from Roman mythology for 10 points each.
- A. These mythical twins and sons of Mars are traditionally said to have founded the city of Rome.
 Answer: Romulus and Remus (Must give both answers)
- B. This god who is usually depicted with two heads looking in opposite directions was said to see into the past and future. He was also the god of gates and doorways.
 Answer: Janus
- C. The equivalent of Zeus in Greek myth, this Roman god was the king of the gods and ruled over the sky.
 Answer: Jupiter or Jove
17. Answer the following about a rectangle of with length 5 and width 12. You have 15 seconds for each part.
- A. What is its perimeter?
 Answer: 34
- B. What is the length of its diagonal?
 Answer: 13
- C. If the rectangle's length and width are doubled, by what percentage would the area of the rectangle increase?
 Answer: 400 percent
18. Answer the following about a great American novel.
- A. The winner of the 1939 Pulitzer Prize, this novel chronicles the journey of a family of Oklahoma sharecroppers who are forced to move to California during the Dust Bowl to search for a better life.
 Answer: The Grapes of Wrath
- B. Name the author of *The Grapes of Wrath* who also wrote *Of Mice and Men*.
 Answer: John Steinbeck
- C. Finally what is the last name of the hard luck Oklahoma family in *The Grapes of Wrath*?
 Answer: Joad or the Joads
19. This bonus will make this your upcoming plans for lunch seem pretty insignificant. Answer the following questions about the geologic time scale.
- A. This geologic era spans about 65 million years from the extinction the dinosaurs to the present. It has been called the "age of mammals."
 Answer: Cenozoic Era
- B. This geologic era lasted about 200 million years up to the start of the Cenozoic Era. It's name means "middle animals"
 Answer: Mesozoic Era
- C. This period during the Mesozoic Era lasted 70 million years and saw huge plant-eating dinosaurs and vicious carnivores as well as the first birds. It was made famous by a 1993 Steven Spielberg movie.
 Answer: Jurassic Period
20. Identify the following North American bodies of water named for explorers.
- A. Considered part of the Arctic Ocean, this large body of water borders the Canadian provinces of Quebec, Ontario, Manitoba and the territory of Nunavut.
 Answer: Hudson Bay
- B. It is called the Gulf of California on most English maps, but Mexicans usually prefer to call this body of water by this name after a Spanish Conquistador.
 Answer: Sea of Cortez or Mar de Cortes (Accept Gulf of Cortez, Golfo de Cortes)
- C. This sea passage immediately south of Chile and north of Tierra del Fuego was used by a certain Portuguese explorer in 1520 when he circumnavigated the globe.
 Answer: Straits of Magellan