

1. Pop Culture

This team's initial season in 1976 was the worst year by any team in modern NFL history. However, they made it to the NFC Championship in their fourth season thanks to Defensive MVP Lee Roy Selmon. They won their only Super Bowl appearance, defeating the Raiders in 2003. Its leading rusher this year is Earnest Graham thanks to injuries to Cadillac Williams and Michael Pittman. Name this team now quarterbacked by Jeff Garcia and coached by Jon Gruden.

ANSWER: Tampa Bay Buccaneers (accept either half of name or Bucs)

2. World Literature

Near the beginning of this play, the actor Montfleury is interrupted from performing *La Clorise*. The main character promises his cousin that he will protect Christian, though that becomes difficult when Christian repeatedly makes fun of him. The task is also confusing because the main character loves his cousin, Roxane. Name this play by Edmond Rostand about a man with a large nose.

ANSWER: Cyrano de Bergerac (prompt Cyrano)

3. Algebra (10 Seconds)

These are associated with Brun's constant, which is found by adding all of their reciprocals and is equal to slightly less than two. Most mathematicians believe that there is an infinite number of them, though that has never been proven. These numbers come in pairs, and other than the first, each pair consists of a number one less than a multiple of six and a number one more than a multiple of six. The first pair is three and five. Name these pairs, neither one of which is composite.

ANSWER: Twin Prime(s) (prompt Prime)

4. Art/Architecture

Grey weather, in the Sun, Symphony in Grey and Rose, Morning Effect, and Morning Fog are labels given to these paintings. Set in a city in Normandy, they depict a doorway. Part of the Impressionist movement, they were completed in the early 1890s. Name this series by Monet showing a Gothic building at different times of the day under different weather conditions.

ANSWER: Rouen Cathedral (prompt either half of answer)

5. Chemistry (30 Seconds)

Rounded to the nearest whole number, what is the molar mass of lithium sulfate, a drug used to treat bipolar disorder? It is helpful to know that the atomic weight of lithium is about seven, the atomic weight of oxygen is about sixteen, and the atomic weight of sulfur is about thirty-two. It also helps to know that lithium is an alkali metal.

ANSWER: 110

6. Religion/Mythology

He was disguised as a girl in Scyros, but that did not prevent him from fathering Pyrrhus. His disguise was undone by Odysseus, who took him to Troy. He was a great warrior for the Greeks until he had a dispute with Agamemnon. Name this son of Peleus and Thetis killed by an arrow to his heel.

ANSWER: Achilles

7. US History

Because he did not get along with leaders in his home state of New York, this man attended the 1860 Republican Convention as a delegate from Oregon. His popularity in New York decreased further after the Civil War when he signed the bond to release Jefferson Davis from prison. Even though he never joined it, the Democratic Party endorsed him in the Presidential Election of 1872. Name this founder of the New York Tribune famous for saying, "Go West, young man, go West."

ANSWER: (Horace) Greeley

8. Geometry/Trigonometry (30 Seconds)

Give both of your answers in degrees. A circle is drawn on a piece of paper so that Point A is the topmost point and Point B is the rightmost point. Find the two possible measures of Angle ACB if Point C is another point on the circle.

ANSWER: 45 & 135 (both answers in either order, it is incorrect if only one answer is given)

9. Language Arts

This term originally referred to doctors but now has a very negative connotation. A few hundred years ago, people started using it to refer to a type of worm, and from there it came to mean a person who behaves like a parasite. Give this term associated with bloodsucking.

ANSWER: Leech(es)

10. Astronomy/Earth Science/Geography

The type used to create rhyolite generally is very viscous and contains a lot of water. This substance can be classified as mafic, intermediate, or felsic, and it generally exists at temperatures over one thousand Kelvins. Name this underground material which can solidify into igneous rock or erupt into lava.

ANSWER: Magma (prompt Molten Rock)

11. World History

The only statue ever found depicting him is less than four inches tall and shows him sitting down. He was the son of Snefru and Hetepheres and the father of Khafre. Though Herodotus claimed he used slave labor, historians now believe that he accepted labor as a type of tax payment. Name this Egyptian ruler who died in 2584 BCE and was buried under the Great Pyramid of Giza.

ANSWER: Khufu (or Cheops, (Khnum-)Khufwy, or Suphis)

12. Calculus/Combinatorics (10 Seconds)

This adjective beginning with the letter C is used for probability situations involving false positive tests, Venn diagrams, or any dependent situation. It often is calculated by dividing the probability of an intersection by the probability of one of the events in the intersection. Give this term often associated with the word If.

ANSWER: Conditional (accept longer answers but not shorter answers)

13. British Literature

This character says, "Love looks not with the eyes, but with the mind." She says this after Lysander says he wants Demetrius to fall in love with her, though Lysander at one point loves her in addition to Demetrius. Name this character from *A Midsummer Night's Dream* who is not Hermia.

ANSWER: Helena

14. Music

This instrument is a tanpura with frets. The frets are curved and movable. Some of its strings are drones, which should be strummed but not fretted, and others are sympathetic, which usually are neither strummed nor fretted. A few strings are meant to be strummed and fretted. This instrument became well-known in the West when it was used on some Beatles and Rolling Stones songs. Name this instrument from India played by Ravi Shankar.

ANSWER: Sitar

15. Biology

It has chemical formula $C_8H_{11}NO_2$, and it is transported by VMAT2. Mice with too much of this substance in their bodies have no desire to eat or drink, so they starve to death. In the past few years, research has linked it to drug abuse. This neurotransmitter is necessary in sufficient amounts to avoid schizophrenia and Parkinson's disease. Name this chemical whose name begins with the letter D.

ANSWER: Dopamine

16. Technology

Grace Hopper is sometimes credited with being the first person to oversee the development of this type of program, and the first fully developed example was for FORTRAN. One improvement in the implementation of this type of program is the just in time version used by Java. Name this program that takes source code from an editor and converts it into machine language.

ANSWER: Compiler(s)

17. Current Events

This was the subject of House Resolution Two this year, but in order to get their changes through a Senate filibuster, Democrats eventually combined it with an Iraq War supplemental and tax cuts for small businesses. Debate over this issue occasionally focused on the Northern Mariana Islands and American Samoa. Because the legislation passed, this value changed in July, and further increases will be made during each of the next two years. Name this quantity that by the end of 2009 will be set at seven dollars and twenty-five cents.

ANSWER: (Federal or National) Minimum Wage

18. Nonfiction

Some of this man's books were co-written with his brother-in-law L. Brent Bozell. One of those books defends charges made by Joseph McCarthy. This man's reputation grew in 1951, when he published a book stating that liberal secularism had harmed his alma mater, Yale University. He also hosted a long-running series of debates called *Firing Line*. Name this Conservative writer who started *National Review* magazine.

ANSWER: (William 'Bill' Francis) Buckley(, Jr.)

19. Physics (30 Seconds)

Include units in your answer. An object with constant acceleration begins with a speed of four meters per second and ends with a speed of ten meters per second. How far will it move in ten seconds?

ANSWER: 70 Meters

20. US Literature

This story begins, "I am a rather elderly man." The narrator, who already employs Ginger Nut, Turkey, and Nippers, decides to hire a fourth person. The new hire moves into the office and stays there even after he is fired. He is fired because whenever any request is made of him, he responds by stating, "I would prefer not to." Name this work by Herman Melville subtitled *A Story of Wall Street*.

ANSWER: Bartleby The Scrivener(: A Story of Wall Street) (prompt Bartleby)

Tiebreakers:

Most of his writings, including his *Discourse on Livy*, were written right after he was tortured and exiled. He also wrote a history book that covered the Visigoth invasion through the death of Lorenzo the Magnificent. He is often quoted, and a saying typical of his beliefs is, "It is better to be feared than loved, if you cannot be both." Name this 15th and 16th Century political philosopher from Florence who wrote *The Prince*.

ANSWER: (Niccolo) Machiavelli

(Note to moderator: Solder is pronounced Sodder.) This metallic element is a major component of calamine, which is used to treat rashes. It can be used to coat steel, and it is often combined with copper, with which it can make solder, brass, or a penny. Name Element 30, which is abbreviated Zn.

ANSWER: Zinc

Give the word that completes this Ben Franklin quote: "Never leave that till tomorrow which you can do..."

ANSWER: Today