

AMERICAN LITERATURE: Answer the following about *The Last of the Mohicans*, a book which fits Mark Twain's definition of a "classic" as a book that everybody knows but no one has read!

Team A: What character, a noble Native American who is in love with Cora, dies in attempting to rescue her from the evil Magua?

Ans: Uncas

Team B: After the death of Uncas, his father, a wise mentor to the young white hero, remains as the "last of the Mohicans." Who is this man, with a very long name?

Ans: Chingachgook [pronounced CHIN gach gook, but be kind]

Toss Up: Natty Bumppo, the hero of the Leatherstocking Tales, goes by various nicknames through the series of novels. In *The Last of the Mohicans*, he is known by this name, which he has earned because he is a crack shot with a rifle. What is this one-word nickname, which is also the nickname of a major character in the novel *MASH*?

Ans: Hawkeye

MATH: 60 SECONDS: Find the least common multiple and leave your answer in factored form. You may give your answers in any order. [NOTE TO READERS: Answers may be given in any order. Accordingly, if necessary, stop the clock or add extra time in order to determine correctness of the answers.]

Team B: $x^2 - 5x + 6$ and $x^2 - 4$ [x squared minus 5 x plus 6] and [x squared minus 4]

Ans: $(x - 2)(x + 2)(x - 3)$ [all required, any order]

Team A: $x^2 + 4x + 4$ and $2x^2 + x - 6$ [x squared plus 4 x plus 4] and [2 x squared plus x minus 6]

Ans: $(x + 2)(x + 2)(2x - 3)$ [all required, any order]

Toss Up: $x^3 - 1$ and $3x^2 - 4x + 1$ [x cubed minus one] and [3 x squared minus 4 x plus one]

Ans: $(3x - 1)(x - 1)(x^2 + x + 1)$ [all required, any order]

WORLD HISTORY

Team A: After a tsunami ended the Minoan culture in Greece, the Minoans were replaced by what people, who later waged war on Troy?

Ans: Mycenaean(s)

Team B: The largest of the several Mycenaean cities was what city, whose name is similar to the ship used by Jason, and which occupied part of the Peloponnesian Peninsula but remained neutral during the Peloponnesian Wars?

Ans: Argos [must end in "s"]

Toss Up: The so-called "Dark Ages" of Greek history began around 1100 BCE when these people conquered the Mycenaeans and rejected their urban way of life. They were essentially tribal and nomadic. Eventually they occupied the Peloponnese as well as parts of Rhodes and Sicily. Who were these people, first mentioned in the *Odyssey*, who share their name with a famous character by Oscar Wilde?

Ans: Dorian(s)

FINE ARTS: Answer the following about Hindu art. Give your answers as the most common English form.

Team B: What god, the "Remover of Obstacles," is always portrayed with the head of an elephant?

Ans: Ganesh(a)

Team A: What god, the "Preserver of Order and Balance," is usually portrayed with blue skin and riding a large bird called a Garuda?

Ans: Vishnu

Toss Up: This god is often shown wearing a serpent as a scarf. When portrayed as a human, he can be pictured with a third eye, a trident, mottled hair, and multiple limbs. Who is this personification of both creation and destruction?

Ans: Shiva

LIFE SCIENCE

Team A: What Dutch scientist is credited with being the first person to discover the existence of bacteria?

Ans: (Antoine van) Leeuwenhoek [usually pronounced LAVE en hoick, but accept anything close]

Team B: The discovery of bacteria helped to debunk what theory, which held that life could arise from nonliving matter?

Ans: spontaneous generation [also accept abiogenesis]

Toss Up: This Italian physician used covered and uncovered pieces of meat to disprove the theory of spontaneous generation. When the covered meat remained maggot free as opposed to the maggot infested uncovered meat, he proved the biogenesis theory of life. In the process, he also became the first to introduce the "control" group into experimentation. Who was this 17th century scientist known as the "father of experimental biology"?

Ans: (Francesco) Redi

ENGLISH/WORLD LITERATURE

Team B: What 1847 novel by Charlotte Bronte tells of an intelligent woman who travels to an estate named Thornfield where she falls in love with the owner of the estate?

Ans: *Jane Eyre*

Team A: The owner of Thornfield is what sympathetic man who loses his hand and part of his sight as the result of a fire?

Ans: (Edward) Rochester

Toss Up: Jane's first attempt to marry Rochester is thwarted when a woman reveals that Rochester is already married to this woman, who has gone mad and whom Rochester keeps hidden in the attic. Who is this first wife, formerly a beautiful Creole whom Rochester had married in Jamaica?

Ans: Bertha (Mason)

GOVERNMENT/ECONOMICS

Team A: The concept of freedom of the press was first given impetus in the American colonies as a result of what 1735 trial of a German immigrant printer who was accused of seditious libel for publishing articles critical of the Crown-appointed governor of New York?

Ans: (John Peter) Zenger

Team B: The term "Philadelphia lawyer" originated with what man, who successfully defended Zenger by arguing that the truth is always a defense against libel, and who shares his last name with the US's first Secretary of the Treasury?

Ans: (Andrew) Hamilton

Toss Up: The Zenger case is also the first famous use of this tactic, which is discouraged but still occurs, especially in criminal cases. It occurs when an attorney encourages the jury to judge not just the facts but the law itself. What is this term for decisions in which juries are encouraged by lawyers to vote according to their conscience, not the facts of the case?

Ans: (jury) nullification

PHYSICAL SCIENCE: Identify the following about the laws of Johannes Kepler.

Team B: Kepler's first law states that the orbit of planets must follow the path of what geometric conic section?

Ans: ellipse

Team A: Kepler's second law states that a planet's speed will be faster when it is closer to what other body?

Ans: (the) Sun

Toss Up: This constant is derived from Kepler's third law. It states that the square of the period of a planet is directly proportional to the cube of the radius of the orbit. What is this constant, which helps maintain the orbit of satellites above the Earth?

Ans: proportionality (constant)

WORLD GEOGRAPHY: Identify the following former Soviet republics.

Team A: This European nation has an aging and declining population and an annual per capita income of less than \$5000. What nation has also had border skirmishes with Russia over ownership of the Crimean Peninsula?

Ans: Ukraine

Team B: This country in the Caucasus Mountains was first alphabetically among the Soviet Republics and was the first nation in history to adopt Christianity as an official religion in the 5th century. Under Ottoman rule it suffered genocide at the hands of the Turks. What is this country, which has been in a border dispute with Azerbaijan for over two decades, and whose capital is Yerevan?

Ans: Armenia

Toss Up: This small nation that was incorporated into the Soviet Union at the end of World War II was formerly part of Romania. It has one of the worst economies in Europe and is totally dependent on Russia and Ukraine for oil. In 2001, it became the first former republic to elect a Communist government, but since 2009 it has been moving toward greater participation in Europe and membership in the EU. What is this country, whose capital city is Chisinau [pronounced KIH shi nyov]?

Ans: Moldova

AMERICAN HISTORY: Identify the following about the 1876 event that has come to be known as "Custer's Last Stand."

Team B: What leader of the Sioux underwent a dream quest in which he saw the Native American forces defeat the Army, although he himself was not a warrior and did not participate in the battle?

Ans: Sitting Bull

Team A: Acting on Sitting Bull's vision--although not entirely on his advice--what war leader of the Sioux became the battlefield commander?

Ans: Crazy Horse

Toss Up: Contrary to popular belief, the 7th Cavalry was not killed to the last man at the Little Big Horn because Custer had split his forces, and these two men, both of whom had advised against the split, were hesitant to go to Custer's aid once his troops were surrounded. One, a colonel, had served under Custer for eight years and disliked him heartily, while the second, a major, appeared to be incapable of action, although he was later cleared at a court martial. Name either of these men, one of whom shares his name with a gambling mecca in Nevada.

Ans: EITHER (Marcus) Reno OR (Frederick) Benteen

ALPHABET ROUND "P"

1. In Greek architecture, this is a triangular low-pitched gable
2. Mammals spread rapidly during this first epoch of the Tertiary period
3. TWO-WORD ANSWER: deep-water lagoon on the island of Oahu that is the home of the US Pacific Fleet
4. In economics, this is a firm's revenue minus its total costs
5. 17th century English politician, whose diary, originally written in shorthand, presents a vivid picture of English life from 1660 to 1669 and includes accounts of the Great Fire of London and the Great Plague
6. TWO-WORD ANSWER: Capital of American Samoa
7. Christian religious holiday celebrated 50 days after Easter
8. Usually used to describe newspapers and magazines, this is technically anything that is published over a specific time interval
9. Latin word for "father" found in the title of a famous prayer
10. In football, basketball, or hockey, the action that takes place when one offensive player gives the ball or puck to a member of his/her own team
11. Toronto International Airport is named for this man, the prime minister of Canada who won the 1957 Nobel Peace Prize for organizing an international peace force to resolve the Suez Crisis
12. In geometry, this term refers to two lines on the same plane that do not meet at any point
13. In literature, this is a feeling of deep pity that the reader/audience feels for the characters in the work
14. The smallest member of the flute family that is pitched one octave above a regular flute
15. Famous London rail station or the children's bear named for it
16. In *The Catcher in the Rye*, this is Holden's younger sister who serves as his redemption
17. In human anatomy, this is the part of the nervous system that relaxes heart rate, digestion, and glandular activity
18. General term for people who oppose war on any terms
19. In Greek mythology, this son of Ares and Aphrodite was the god of fear; name is given to the larger moon of Mars
20. TWO-WORD ANSWER: This geologic area is a protected area in Arizona between the Grand Canyon and the Petrified Forest; named for the colorful rock formations

ANSWERS TO ALPHABET ROUND "P"

1. pediment
2. Paleocene
3. Pearl Harbor
4. profit
5. Pepys (Samuel) [pronounced PEEPS, so accept that spelling]
6. Pago Pago [since it is pronounced Pango Pango, accept that spelling]
7. Pentecost
8. periodical(s)
9. *pater*
10. pass(es)
11. Pearson (Lester)
12. parallel
13. pathos
14. piccolo
15. Paddington
16. Phoebe (Caulfield)
17. parasympathetic (nervous system)
18. pacifist(s) [accept forms of the word]
19. Phobos
20. Painted Desert

FINAL ROUND

1. What is the least common multiple of 15, 20, and 25?

Ans: 300

2. Besides the United States, Russia, and the seven countries in the European Space Agency, three other nations are part of the International Space Station activities. Name any one of them.

Ans: ANY ONE: Canada, Japan, or Brazil

3. The Navajo "Big" Reservation, the largest Native American reservation in land area, is located primarily in what state?

Ans: Arizona

4. Mozarabic is one type of this musical form. Two others are Ambrosian and Gallican, while Celtic was a fourth. The most famous form, however, is Gregorian. What is this musical form, which is also called "plainsong"?

Ans: chant [accept "plainsong" on an early buzz]

5. Initially, the Seven Years War was fought over control of Germany between Austria and what other German-speaking nation?

Ans: Prussia

6. When Game 1 of the 2015 World Series was interrupted by a loss of power to Fox Sports, both teams agreed to play without what broadcast tool that allows viewers and officials to review plays immediately?

Ans: instant replay

7. What is the Spanish word for "sheep"?

Ans: oveja [Oh VAY ha]

8. The trial of what woman began with a U. S. attorney claiming that she had "upon the 5th day of November, 1872 voted. At which time, she was a woman"?

Ans: (Susan B.) Anthony

9. What New Jersey-born writer became one of the most widely read American authors in the 1970s with books like *The One in the Middle is the Green Kangaroo*?

Ans: (Judy) Blume

10. What law of chemistry can be simply restated that "In any chemical reaction, no matter is gained or lost"?

Ans: (law of the) conservation of mass [must be complete]

11. In Catholicism and Orthodoxy, three sacraments are received only once. Name any one of them.

Ans: ANY ONE: Baptism, Confirmation, Holy Orders [also accept Chrismation]

12. What temple in Rome was dedicated to "All the gods"?

Ans: Pantheon

13. As a noun, this four-letter word can refer to a drama or to the act of recreating. As a verb, it means to act out or to amuse oneself. What is this word, which can also mean to engage in competition?

Ans: play

14. What is the binary representation of the number 3?

Ans: 11 [read as one, one]

15. What name is shared by Charles Darwin's ship and the breed of dog that includes Charles Schultz's Snoopy?

Ans: *Beagle*

16. What Irish playwright of the early 20th century wrote *Playboy of the Western World*?

Ans: (John Millington) Synge [pronounced "sing"]

17. In what Alabama city were nine African American youths, who had been falsely accused of raping two white women, tried and convicted in sham trials by all-white juries in 1931?

Ans: Scottsboro

18. What four-letter word can be a unit of volume for measuring alcoholic beverages or the organ through which a fish breathes?

Ans: gill(s)

19. Some art scholars believe that this statue was commissioned to symbolize Florence's military victory over Milan. What is this statue, the first free-standing male nude since antiquity and the work of Donatello?

Ans: *David*

20. Located in southwestern Cuba is what bay that was the site of a disastrous 1961 invasion in an attempt to oust Fidel Castro?

Ans: (Bay of) Pigs