

REPLACEMENT 1. Interdisciplinary

This was the original title of the Mozilla Firefox Project and the name of a spacecraft that earlier this year explored Mars. It is also the name of a mythical bird that was nearly immortal and, by population, the largest state capital in the United States. Give this name that is also used to identify an order created by Dumbledore.

ANSWER: Phoenix (accept longer answers)

REPLACEMENT 2. Pyramidal Math (30 Seconds)

This number is the first number in an infinite geometric series that has a ratio of one-third and a sum of two. It is equal to the area between the graphs  $y = 1 - x^2$  and  $y = 0$ . Find this number equal to the cotangent of the arccosecant of five-thirds.

ANSWER:  $4/3$  (accept  $1 \frac{1}{3}$  or 1.3 repeating)

REPLACEMENT 3. World Literature

The first part of this novel is narrated by Orleana Price from Sanderling Island, Georgia. The rest of it is narrated by her and her four daughters in 1959 in Kilanga. Her husband Nathan is a Baptist minister who insists on staying in Kilanga. Chapter titles from this work include Genesis, The Revelation, The Judges, and Exodus. Name this 1998 novel set in Congo by Barbara Kingsolver.

ANSWER: (The) Poisonwood Bible

REPLACEMENT 4. Current Events

This pundit's television career began with a regular spot on *Situation with Tucker Carlson*. She has a Ph.D. from Oxford and made news soon after her return to the United States by unfurling a banner asking for money for AIDS during Al Gore's announcement that he was running for President. For the past four years, she has hosted a show on Air America. Name this pundit who for the past few months has hosted a regular prime time show on MSNBC.

ANSWER: (Rachel) Maddow

REPLACEMENT 5. Biology

One is named Gimbernat, another is Cooper, but most are named based on their locations in the body. Some of them support organs, but most of them connect bones to other bones. Many are found in the neck, wrist, and knee. Name these structures, one of which is the anterior cruciate.

ANSWER: Ligament(s)

#### REPLACEMENT 6. Music

Answer in Italian. One of these is performed by the orchestra in Cavalleria Rusticana just after Santuzza finds out that his wife has betrayed him, and it is used as the title for a two-act opera by Richard Strauss. These pieces often are short and light, and they were the forerunners of opera buffa, or comic opera. They traditionally were performed in the middle of opera seria, though in the 19<sup>th</sup> Century the term was applied to pieces within musical works. Give this synonym of interlude.

ANSWER: Intermezzo(s) (or Intermezzi) (do not accept Entr'acte or Interlude even though some (but not all, including the initial one) of the clues in the question apply to them)

#### REPLACEMENT 7. United States History

If this Supreme Court decision held precedent, statewide laws whose application varied from county to county would violate the 14<sup>th</sup> Amendment. It followed a stay that was granted less than twenty-four hours after a Florida State Supreme Court decision. It also included four dissenting opinions. One of them stated, "Although we may never know with complete certainty the identity of the winner of this year's Presidential election, the identity of the loser is perfectly clear. It is the Nation's confidence in the judge as an impartial guardian of the rule of law." Name this decision from 2000.

ANSWER: Bush v(s) Gore (prompt partial answers, order matters)

#### REPLACEMENT 8. Physics (10 Seconds)

The first one was demonstrated in 1851 and was sixty-seven meters long. They are associated with the formula  $23.93$  divided by the sine of theta. In 2001, Mike Town set one up at the South Pole, which, along with the North Pole, is an ideal location to demonstrate the rotation of the Earth. Name this system of a weight hanging from a string that is free to rotate.

ANSWER: Foucault('s) Pendulum (prompt Pendulum)

#### REPLACEMENT 9. Vocabulary

(Note to moderator: 'Coup' is pronounced 'coo'.) This Swiss German word was first used in politics to describe the events in Zurich on September 6, 1839. Before that, it referred to any sudden blow. It has been used to refer to several incidents in Algeria and an incident in Munich in November, 1923. Give this term, a synonym of the French word coup, that refers to attempts to overthrow a government.

ANSWER: Putsch

REPLACEMENT 10. Religion/Mythology

His mother, who was cursed, became pregnant by eating a piece of cake stolen by a crow and blown by the wind. As a child, he had a huge appetite and once tried to eat the Sun. Able to change his size at will, he helped Rama defeat Ravana. Name this son of Vayu and Anjana who has the face of a monkey.

ANSWER: Hanuman (prompt Anjaneya)

REPLACEMENT 11. Pop Culture

Its first season was hosted by Lauren Sanchez, and the runner up Melody Lacayanga was close friends with the champion Nick Lazzarini. Other winners have been Benji Schwimmer and Sabra Johnson, and the show is now hosted by Cat Deeley. This Fox Reality Show was created by the same people who created American Idol. Name this Summer show that crowns America's favorite dancer.

ANSWER: So You Think You Can Dance

REPLACEMENT 12. Geometry/Trigonometry (30 Seconds)

Find the speed in meters per second of an object going around a circle that has a radius of fifty centimeters at a rate of one hundred twenty revolutions per minute.

ANSWER: Two Pi (Meters Per Second) (do not accept Two)

REPLACEMENT 13. Nonfiction

His major medical work, al-Kulliyat, formed the basis of a textbook and was based on the writings of Galen. He was also very knowledgeable in the law, being appointed the Grand Qadi of Cordoba. Unfortunately, he temporarily fell out of favor, and many of his original philosophical writings were burned. Today, he is best known for his commentaries on Aristotle. Name this 12<sup>th</sup> Century author of Tahafut al-Tahafut, which translates as The Incoherence of the Incoherence.

ANSWER: Averroes (accept answers including Ibn Rushd)

REPLACEMENT 14. British Literature

His first novel is about a man who delivers a drunken lecture on Merrie England. After Ian Fleming died, he used the pseudonym Robert Markham to write Colonel Sun, a novel featuring James Bond. His son Martin has also become a novelist, writing works such as London Fields and Time's Arrow. Name this author of Lucky Jim.

ANSWER: (Kingsley) Amis

REPLACEMENT 15. Geography/Earth Science/Astronomy

Its highest mountain is Cintu, and its longest river is Golo. This island's southernmost city is Bonifacio, which is just North of the Strait of Bonifacio. It is also bordered by the Ligurian and Tyrrhenian Seas. Though it is closer to mainland Italy, it belongs to France. Located just North of Sardinia, name the birthplace of Napoleon.

ANSWER: Corsica

REPLACEMENT 16. Algebra (30 Seconds)

Find the ninth term of a geometric sequence if the fifth term is three and the eighth term is twenty-four.

ANSWER: 48

REPLACEMENT 17. Art/Architecture

A close viewing of this painting reveals a brown and white dog in the foreground looking back to the title object and some workers in the fields in the background. You don't have to look closely to see the cottage and trees in the left half of the picture. The title object is being pulled by horses in a river. Name this 1821 painting by John Constable.

ANSWER: (The) Hay Wain (accept Landscape: Noon)

REPLACEMENT 18. Chemistry

This set of reactions is named after the French and American scientists who developed them in 1877. One example takes the acetyl group from acetyl chloride and adds it to another molecule using electrophilic substitution. They often use halogenated methane or carbon disulfide as solvents, and they often use aluminum chloride as a catalyst. Name these reactions, the most common example of which is the replacement of a hydrogen atom with an alkyl group around a benzene ring.

ANSWER: Friedel-Crafts (Reactions)

REPLACEMENT 19. United States Literature

He had many short stories published in the 1930s that he insisted not be reprinted because their plots were used in his later popular novels. His most famous novel borrowed from the stories "The Curtain" and "Killer in the Rain". Though he was born in Chicago, his works took place in Los Angeles, or, as in *The Lady in the Lake*, areas near Los Angeles. One of his memorable characters is Moose Malloy, who appears in *Farewell My Lovely*, but he is better known for a detective who shows up repeatedly in his works. Name this creator of Philip Marlowe who wrote *The Big Sleep*.

ANSWER: (Raymond) Chandler

REPLACEMENT 20. World History

A revolutionary group named The National Will tried to assassinate him several times before Ignatsy Grinevitskii succeeded with a thrown bomb. The site where he died is now the Cathedral of the Resurrection on Blood. His country was successful in the last Russo-Turkish War before World War I, he oversaw the sale of Alaska, and he freed his country's serfs. Name this son of Nicholas the First who ruled Russia from 1855 to 1881.

ANSWER: (Tsar or Emperor) Alexander II (Nikolaevich) (prompt answers not including II)