

1st and 3rd periods. In these periods, your team will choose a category and be read ten questions for you to complete in ninety seconds. After each response, the moderator will indicate whether or not it was correct.

Bonus Category: BIRDS

1. What flightless African creature lays the largest eggs of any living bird?

answer: ostrich

2. The Budgerigar or "budgie", commonly kept as a pet, is better known by what name?

answer: (common) parakeet

3. What birds coming in James and American varieties stand on one leg and turn pink because of the beta carotene in their shrimp diet?

answer: flamingo

4. Also called the forcula, what Y-shaped bone found in birds is broken at Thanksgiving for good luck?

answer: wishbone (or merrythought)

5. What birds coming in Great Horned and barn varieties can turn their heads 270 degrees but, contrary to myth, not all the way around?

answer: owl

6. Due to the energy needed for flight, birds have a high one of these, the rate at which the body uses energy.

answer: metabolism (accept word forms)

7. What bird family including malkoahs and roadrunners has a sound that was imitated by German clock makers?

answer: cuckoo

8. Fruit Loops' mascot Sam is what kind of Latin American bird with a large, colorful beak?

answer: toucan

9. The largest Western Hemisphere flying birds are what vulture-type birds that come in Andean and California varieties?

answer: condor

10. Birds swallow stones to use them in what specialized stomach that grinds up food, and whose name is Latin for gibblets?

answer: gizzard

Bonus Category: DEFINE THAT

Identify each of these words given two different definitions:

1. A respiratory disorder characterized by sneezing and coughing, or the absence of heat.

answer: cold

2. A mythological son of Iapetus that held up the sky, or a collection of maps.

answer: Atlas

3. A noisy, disorderly group or a collection of flying geese.

answer: gaggle

4. A legal notice that a person is being charged with a petty offense such as a traffic violation, or a statement of the accomplishments of someone being honored.

answer: citation (accept word forms)

5. To endanger, as in to harm someone's reputation, or a settlement where each party gives up something.

answer: compromise

6. A crazy, simple-minded person or a fish-eating bird of the genus Gavia that appears on Canada's gold dollar coin.

answer: loon or loony (or loonie)

7. To divide a town so buildings are given particular purposes, or areas of a globe that have the same time.

answer: zone

8. To be featured in a show or film, or an astronomical body such as Vega, Altair, or Polaris.

answer: star

9. A ship document that shows proof of its nationality, or a mechanical device that records data such as in commerce.

answer: register [a ship's register, a cash register]

10. A medieval court or town official who makes public announcements, or a person who weeps.

answer: crier

Bonus Category: THE OLD WEST

1. Covered wagons traveled west over what trail stretching from the Missouri River to the Willamette Valley?

answer: Oregon Trail

2. What 1803 expedition led by two explorers surveyed the western frontier?

answer: Lewis and Clark expedition

3. What young outlaw was captured by Sheriff Pat Garrett at Stinking Springs in 1880?

answer: Billy the Kid or William Bonney or Henry McCarty

4. Brigham Young led many of his Mormon followers to what Utah body of water?

answer: Great Salt Lake

5. The Comstock Lode was a large silver deposit discovered in what state with major city Reno?

answer: Nevada

6. What Arizona town saw the gunfight at the O.K. Corral?

answer: Tombstone

7. The Bear Flag Revolt occurred against Mexican rule in what present U.S. state governed in Sacramento?

answer: California

8. The First Chance in Miles City and Long Branch in Dodge City were what kind of western bars?

answer: saloon

9. What term for a person that handles cattle also names a Jeep model that includes the Rubicon?

answer: Wrangler

10. Sharpshooter Annie Oakley and Native American Sitting Bull were attractions in the Wild West Show of what man known for his bison hunting?

answer: William Frederick "Buffalo Bill" Cody (accept either underlined name)

Bonus Category: NICKNAMES

1. What Michigan town was known as Motor City and Motown for the cars built there?

answer: Detroit

2. What author of *A Farewell to Arms* and *The Sun Also Rises* was known as “Papa?”

answer: Ernest Hemingway

3. In Donald Sobol's books, Leroy Brown, a boy that helps his father solve mysteries, is known by what name?

answer: Encyclopedia Brown

4. What country with a red circle on its white flag is known as the Land of the Rising Sun?

answer: Japan or Nippon

5. Portrayed by Emily Deschanel, Dr. Temperance Brennan is a forensic anthropologist better known by what name on a FOX series?

answer: Bones

6. What baseball team whose roster includes Carlos Santana and Kerry Wood is often called "The Tribe"?

answer: Cleveland Indians (accept either underlined name)

7. What country, home to the Sandy Desert, is known as the Land Down Under?

answer: Australia

8. Conservative politicians in Britain and Canada are known by what nickname also used for people loyal to the King in the American Revolution?

answer: Tory or Tories

9. Anderson Silva was given what UFC nickname for his impressive ability to climb all over opponents?

answer: Anderson “The Spider” Silva

10. What New Mexico city promotes itself to tourists as “Alien Capital of the World?”

answer: Roswell

Bonus Category: CHARLOTTE'S WEB IN DEPTH

1. What is the name of the pig that Charlotte befriends?

answer: Wilbur

2. *Charlotte's Web* was written by what author of *Stuart Little*?

answer: E(lwyn) B(rooks) White

3. *Charlotte's Web* is based on what state whose locations include Kennebunkport and Bangor?

answer: Maine

4. Templeton is what kind of creature, like the characters in *The Secret of NIMH*?

answer: rat or mouse or rodent

5. What is Fern's uncle's name, also the father on *The Simpsons*?

answer: Homer Zuckerman (accept either underlined name)

6. The pig is going to be killed and eaten on what holiday that occurs at the end of the Advent religious period?

answer: Christmas

7. Name any one of Charlotte's daughters that stay in the barn, one of whose names is similar to the rapper with album *Brass Knuckles* and song "Grillz".

answer: Joy, Aranea, and Nellie

8. Name any two of the phrases or words Charlotte writes in her web.

answer: some pig, terrific, radiant, or humble

9. What star of *Push* and *The Secret Life of Bees* appeared as Fern Arable in the 2006 film?

answer: (Hannah) Dakota Fanning

10. Charlotte gives her sac of eggs what title, a Latin phrase that means "a masterpiece"?

answer: Magnum Opus

2nd period: This period contains twenty tossups worth 10 points each. When you think you know the answer, signal with your buzzer and your team will have five seconds to respond.

TOSSUPS:

1. Alaska has Kenai and Seward, while California's Monterrey and New Jersey's Cape May are located on what kind of land areas like Florida that are surrounded by water on three sides?

answer: peninsula

2. "When in the Course of human events, it becomes necessary for one people to dissolve the political bands" is the first part of what document signed in July 1776?

answer: The U.S. Declaration of Independence

3. In summer of 2009, ABC aired 10th anniversary episodes of what show hosted by Regis Philbin in which contestants try to get fifteen multiple choice questions, sometimes by using lifelines?

answer: Who Wants to be a Millionaire

4. The Fernsehturm, Lustgarten, Brandenburg Gate, and Reichstag building are all landmarks in what European capital that used to be divided by a wall separating East and West Germany?

answer: Berlin

5. Who felt embarrassed when Kanye West claimed that Beyoncé was more deserving of Best Female Video than this singer, whose video "You Belong With Me" came after her song "Love Story"?

answer: Taylor Swift

6. What President battled the Miami Native Americans, fought in the Seminole Wars, and is currently depicted on the twenty dollar bill?

answer: Andrew Jackson

7. The French words for "pretty red" that described a red flag flown by French buccaneers may give us the term for what skull and crossbones on a black background flown by pirates?

answer: Jolly Roger [joli rouge]

8. Spindle seashells and DNA molecules both share what shape that is sometimes called a coil and can be seen in a plant growing around a pole?

answer: helix (accept double helix and coil before given)

9. Sinclair Lewis's character Martin Arrowsmith, Robert Louis Stevenson's Henry Jekyll, and Hugh Lofting's John Dolittle are all known by what title appropriate for a scientist with a Ph.D. or a graduate of medical school?

answer: doctor

10. Pencil and paper ready. If you add up the integers 1 to 100, you get a sum of 5,050. What is the sum of the integers from 2 to 101? (You get 10 seconds.)

answer: 5150

11. Alates [AY-lates] are insect forms with what feature, that king and queen termites use when going to a new colony site and then shed, thus preventing the termites from flying again?

answer: wings

12. Chartreuse is a color created by mixing what two colors, one a primary color, the other a secondary one?

answer: yellow and green

13. Due in 2010, My Last Years is the fifth book in what Jeff Kinney series about a daily record of a weakly adolescent?

answer: Diary of a Wimpy Kid

14. After being involved in an April 2009 incident against the U.S. Navy, Abduhl Wal-i-Musi is currently being held in the U.S., charged with what crime, lately common off the coast of Somalia?

answer: piracy (prompt on "kidnapping")

15. The composers Darius Milhaud, Claude Debussy, George Bizet, and Hector Berlioz all lived in what country, some of whose musical premieres occur at the Paris Opera House?

answer: France

16. The ISEW or Index of Sustainable Welfare, GPI or Genuine Progress Indicator, and GDP or Gross Domestic Product are statistics that measure what quantity of goods and services in a country?

answer: economic growth or the size of an economy (accept equivalents)

17. The mascot of Tufts University, what elephant used in P.T. Barnum's Circus has a name that has come to mean something very large?

answer: Jumbo

18. In the game of chess, what word is used for the condition in which neither player can win?

answer: stalemate

19. What Roman numeral is written as CXXIV?

answer: 124

20. What did both the Native American trickster god Coyote and the Greek Prometheus steal from the gods and give to man, something the African god Anansi stops by bringing rain?

answer: fire

4th period: This period contains twenty tossups worth 15 points each. When you think you know the answer, signal with your buzzer and your team will have five seconds to respond.

TOSSUPS:

1. A ghost in this play describes a "foul and most unnatural murder" that occurred while he slept and had poison poured in his ear. Act 5, Scene 1 of this play shows a gravedigger with the skull of Yorick, a former jester at Elsinore castle. The title character dies after a sword duel with Laertes, after contemplating suicide during the "to be or not to be" speech. For 15 points—name this Shakespearean play about a prince in Denmark.

answer: Hamlet, Prince of Denmark

2. Alleged 1943 military experiments made the *USS Eldridge* invisible while near naval shipyards of this city. Home to the first Strawbridge & Clothier department store and First Bank of the United States, it hosted an International Exposition in 1876. Recent mayors of this city have included Frank Rizzo, Ed Rendell, John Street, and Michael Nutter. For 15 points—name this city where the Continental Congress met in Independence Hall.

answer: Philadelphia (accept The Philadelphia Experiment)

3. This substance is primarily composed of keratin fibers. Vellus ones are less than 2 millimeters in length, while other human ones can increase in length by 400 micrometers a day. Light colors are prevalent in northern Europe. Absent on the soles of the feet and palms of the hand, for 15 points—name this substance that grows on mammals and humans, especially on top of their heads.

answer: hair

4. Some efforts to regulate these have included SALT and START, and the IAEA is responsible for checking compliance in certain countries. The 1978 Vela Incident, a flash of light in the South Atlantic, has caused many to suspect Israel possesses these. 1945's Trinity was the first one the U.S. tested and there are concerns over Pakistan's creation of them and North Korea's arsenal. For 15 points—what are these devastating weapons that split particles?

answer: nuclear weapons or nuclear missiles or atom(ic) bomb or any equivalent answer

5. The main character of this work remembers sitting alone in the schoolhouse reading about Ali Baba and Robinson Crusoe. In the final chapter of this work, the main character catches a worker arriving eighteen minutes late and raises the worker's salary. In the beginning, the man sees the face of former business partner in his door, and then sees Marley's spirit. For 15 points—name this Charles Dickens work in which the Ghosts of the Past, Present, and Future teach Scrooge the value of a December holiday.

answer: A Christmas Carol

6. The Japanese version of this game series uses "Moon Over The Castle" as its theme and was packaged with lessons about physics. Players can earn a Pagani Zonda LM for winning, and Two Del Sols are hidden in the original game. The fifth installment includes Eiger Nordwand, Suzuki Circuit, and Daytona as places where you can show your ability. For 15 points—the best-selling game for Playstation 3 has been what racing game whose name is Italian for "grand tourer"?

answer: Gran Turismo (1-5) [all video game should come with science lessons!]

7. In ancient times, the Chinese invented one of these using lodestone for to arrange buildings according to Feng Shui harmony principles. Around the fourteenth century, Arab examples used a 32-point rose or an object floated in a bowl of water. One of these can be used with a sextant to calculate latitude, and the gyro type is common on today's ships. For 15 points—name these devices, useful for when you are lost in the woods, that point to magnetic north.

answer: compass

8. This singer's first number one was used in a film about a telepathic rat called Ben and later he was the star of *Captain EO*, a 3-D film shown at Disney theme parks. He duetted with Paul McCartney on "This Girl is Mine", while Eddie Van Halen did a solo for his 1987 album and Martin Scorsese directed the video for his single "Bad". For 15 points—name this owner of the Neverland ranch, the inventor of the "moonwalk" who released the album *Thriller* with the song "Beat It", who died in June 2009.

answer: Michael Jackson

9. This city was devastated by a 1703 earthquake, and another in 1923 struck its Bay area that includes Dream and Monkey Islands. This city has a prefecture symbol of a ginkgo leaf, and gathering in its parks to enjoy the cherry blossoms is popular. Neighborhoods in this city include Harajuku, Hibiya, and Tsukiji, which is famous for a fish market. For 15 points—name this city once called Edo, which the Meiji Emperor made the capital of Japan.

answer: Tokyo

10. The Cestius one of these in Rome was built in the first century BC for a magistrate and formed part of the city defenses. The Cholula one of these in Mexico is the largest by volume in the world and was dedicated to Quetzalcoatl [QWETZ-al-coh-AH-tul]. The African Nubian civilization built 220 of them, some with slant angles as steep as seventy degrees. For 15 points—name these kinds of buildings that were also built at Giza to house the tombs of Egyptian pharaohs.

answer: pyramid

11. While working at Watts' printing in London, he wrote a pamphlet against conventional religion. He published letters using the pen name "Silence Dogood" in his brother's *New England Courant*. He created a fireplace with an interior passage for convection and his advice was welcomed by *Pennsylvania Gazette* subscribers. For 15 points—name this man who started a library in Philadelphia and wrote *Poor Richard's Almanac*.

answer: Benjamin Franklin (move away from Philadelphia)

12. This rookie alumnus of Tennessee-Chattanooga caught the winning touchdown against Green Bay in a 1998 Wild Card game. Along with receiving, he is known for alienating teammates and feuding with quarterbacks Jeff Garcia and Donovan McNabb. He cried defending his quarterback after a playoff loss, but later believed Tony Romo was in a racist conspiracy with Jason Witten to deny him the ball. For 15 points—name this ex-Eagles and ex-Cowboys receiver now with the Buffalo.

answer: TO or Terrell Owens

13. He is deceived by Utgard-Lokir on a journey into the land of giants, where he battles old age and is brought down to one knee. At Ragnarok he kills and is killed by a massive serpent. This Norse god wears iron gauntlets so he can wield his massive hammer crafted by dwarves. For 15 points—name this Norse god of thunder, also a Marvel comic hero, and the origin of the name of the fourth day of the school week.

answer: Thor (do not accept "Thur")

14. Pencil and paper ready. Josh is twice as old as Sam and half as old as Taylor. When you add to Josh,

Sam, and Taylor's ages together, you get 105. To find Josh's age, you can realize that since Taylor is four times as old as Sam and two times as old as Josh, there are seven parts in total and the Josh is two sevenths of all of their ages. For 15 points—what is Josh's age, which is a multiple of ten? You get 10 seconds.

answer: 30

15. Musical arrangements for John Cage's 4'33" [four minutes thirty-three seconds] contain only these. The line with a crook known as a "crochet" [crow-SHAY] is one symbol used to denote them. A vertical bar spanning two rows on sheet music indicates one of these for four measures, while a long one can be written as a horizontal bar with a numeral above it. For 15 points—name these pauses in music.

answer: rest

16. This substance comprises 91% of the atmosphere of Saturn's moon Enceladus, and acid-base chemical reactions produce salts and this substance. This molecule has two covalent bonds and the resulting polarity is the reason for its surface tension some insects use to skim on it. For 15 points—name this molecule with two hydrogen and one oxygen atoms, a substance that cycles on Earth in the forms of clouds, rain, and ice.

answer: water (accept: water vapor at any point and dihydrogen monoxide before "hydrogen")

17. In the 1970's this company offered products called the Yumbo and Whaler and in 2003 introduced "A.M. Express". In a 2006 video game, this company's mascot, who has a Subservient Chicken, must sneak up behind people and offer food, and it helped create the mobile phone games "Flip My Bun" and "Fry Assault". For 15 points—the Croissan'Wich, Stacker, Tendergrill and Angus are products sold at what "Home of the Whopper"?

answer: Burger King

18. Paul Signac and Geroge Seurat were associated with a style of art that made use of many of these that, when combined, formed an image. The relationship between different voices in music is called the "counter" one of these. In a perspective drawing, parallel lines appear to converge, perhaps on the horizon, at a vanishing one of these. For 15 points—give this term that in geometry is a single spot on the plane, that looks like a period.

answer: point (do not accept "dot"; the movement was called pointilism)

19. The Cambrian-Ordovician event featured many of these affecting brachiopods and conodonts while the Holocene event is one biologists say is happening now. Reasons these happen on a planetary scale include supernovas, global cooling, asteroids, and comets. The Red List contains organisms such as the Cross River Gorilla that this might happen to if conservation efforts are not put in place. For 15 points—name this process after which a species no longer exists.

answer: mass extinction (accept word forms and equivalent answers)

20. In the King James bible, the Hebrew beast Re'em is this creature. A group of these is a blessing, and in myth one could be tamed by a virgin. Denmark's royal throne was made of narwhal tusks said to be these creatures, and cups made of their distinctive feature neutralize poison. Harry Potter serves detention by searching in the Forbidden Forest for one of these, whose blood is used by Voldemort for strength. For 15 points—name these horse-like creatures with a single horn.

answer: unicorn