

1st and 3rd periods. In this period, your team will choose a category and be read ten questions. After each response, the moderator will indicate whether or not it was correct, but will not read answers. After your tenth question, the other team will be given a chance to answer any questions that you missed.

Bonus Category: I got a "D" in science class

Each of the correct responses in this category begins with the letter "D".

1. Rudolf is the first name of what inventor who created an engine still used today, often in trucks?

answer: Diesel

2. Theories suggest that up to ninety percent of the universe's atoms are what kind of matter that can only be detected through its gravitational effects?

answer: dark matter

3. This is the breakdown of a compound into simpler substances.

answer: decomposition

4. The opposite of evergreens, these plants lose their leaves, usually in the autumn.

answer: deciduous

5. This term is from Latin for "measured out" and refers to the number of directions of free movement in space. Einstein's spacetime describes four, though some cosmologists believe there are ten or more.

answer: dimensions

6. As a Greek letter, it is a triangle and stands for "change". This term also describes where a river meets a larger body of water.

answer: delta

7. This describes collections of information such as Excel and Access files that are organized for easy searching.

answer: database

8. Frozen carbon dioxide is better known by this name.

answer: dry ice

9. This is the transfer of gases in or out of cell walls, as well as the spreading of a gas.

answer: diffusion

10. This term describes elements such as nitrogen and chlorine that are often found as pairs of atoms bound together.

answer: diatomic

Bonus Category: Mystery Category

The answers in this category are related. Solve the mystery and you'll know the answer to question ten.

1. Captain Cook is said to be the first European explorer to see one of these aboriginal weapons that come back to you.

answer: boomerang

2. This is the official currency of India.

answer: rupee

3. Its sections are called atriums and ventricles.

answer: heart

4. Pencil and paper ready. Draw an equilateral triangle and connect the midpoint of each side to the midpoint of every other side. How many congruent sections has your polygon been divided into? (*give 10 seconds*)

answer: 4

5. The sequel to *Alice's Adventures in Wonderland*, it is subtitled "and What Alice found there".

answer: Through the Looking Glass

6. Before it was known as Operation Desert Storm, the buildup of forces in the First Gulf War was called Operation Desert *this*.

answer: Shield

7. Henry David Thoreau's work *Walden* was subtitled "Life in" these, a place in nature.

answer: the Woods

8. This wind instrument has a globe-shaped body and a whistle-like mouthpiece. Usually with ten finger holes, a colloquial nickname for it in the United States is the "sweet potato".

answer: ocarina

9. This Catholic University is located in Erie, Pennsylvania and is named for the bishop who founded it in 1925. We don't think the bishop was evil.

answer: Gannon University

10. This is the first name of the woman F. Scott Fitzgerald married in 1920. If you've figured out the mystery you know the answer to this question.

answer: Zelda

[moderator notes: "Through the Looking Glass" refers to Links traveling between light and dark worlds in *A Link to the Past*. "Gannon" is spelled Ganon or Ganondorf in the game. The four triangles drawn resemble the Triforce]

Bonus Category: The Village

1. This village in the Somerset region of England is where they first developed a bright yellow sharp cheese.

answer: Cheddar

2. In which of the five boroughs of New York City would you find Greenwich Village?

answer: Manhattan

3. Common to Algonquian villages were what rectangular-domed dwellings made of wood?

answer: wigwam or wickiup

4. According to an African proverb, it takes a village to do what?

answer: raise a child (accept equivalent)

5. When the Olympics were held in this German location in 1972, some Palestinians invaded the Olympic village and took Israelis captive.

answer: Munich

6. This anthropological term describes people who live in small, often mobile, villages with little or no agriculture. They live by looking for the food and materials they needed.

answer: hunter-gatherer (accept: nomad)

7. Pencil and paper ready. A circular village has a land area of 100 pi. If the radius of the village were doubled, what would the new land area be? (*give 10 seconds*)

answer: 400 pi

8. Songs on this group's "Greatest Hits" include "Macho Man", "In the Navy", and "Y.M.C.A."

answer: The Village People

9. George Crabbe, who wrote a poem called "The Village", was a writer in this style, a new attempt to revive the ancient emphases in art and literature in the early 18th century.

answer: neoclassical (accept word forms)

10. He is the director of the 2003 film *The Village*, as well as *The Sixth Sense* and *Signs*.

answer: M Night Shyamalan (accept reasonable mispronunciations)

Bonus Category: Mary

1. Mary Cassatt painted in this style, which aimed to represent the effects that light had on objects. Those in the movement often painted outdoors to capture sunlight.

answer: impressionism

2. Maryland was named after the wife of this English monarch who was King after the Revolution of the 1650's, the second by his name.

answer: Charles II

3. In the fifteenth chapter of Mark, she maintains a vigil at the cross of Jesus Christ.

answer: (Saint) Mary Magdalene

4. Her most known work is her 1818 novel *Frankenstein*.

answer: Mary Shelley

5. Mary Shelley wrote novels in this genre, a type of romantic fiction in which haunted castles and medieval settings were used.

answer: Gothic

6. Dee Wallace played a character named Mary in this 1982 film in which Henry Thomas played a boy named Elliott.

answer: E.T., the Extra-Terrestrial

7. What U.S. President married Mary Todd in 1842?

answer: Abraham Lincoln

8. This was the nickname given to Queen Mary Tudor because of her zealous religious persecutions.

answer: Bloody Mary

9. In the Nursery Rhyme "Mary, Mary quite contrary", what grows in her garden "all in a row"?

answer: pretty maids (prompt on partial answer)

10. Consultants with outstanding sales are eligible for a pink Cadillac. The founder of this cosmetics company died in November 2001.

answer: Mary Kay Cosmetics

Bonus Category: Also a game Show Term

The answers in this category are all terms that you might hear on a game show.

1. If your debts exceed your assets, your estate may be administered under these laws, which include Chapter 7 and Chapter 11.

answer: bankrupt (accept word forms) [from *Wheel of Fortune*]

2. Flip two fair coins. These are the odds of getting exactly one heads and one tails (in any order).

answer: fifty-fifty (also accept one to one and fifty percent) [from *Millionaire*]

3. When two animals live together it is called symbiosis. When the smaller organism hurts the larger one, the smaller one is often called a parasite, while the larger organism is known as what?

answer: host

4. This term describes bleachers behind the end of Cleveland Stadium known for rowdy fans, and also people associated with the rapper Snopp Dogg.

answer: Dog Pound (also Dawg Pound) [from *Dog Eat Dog*]

5. Prohibited by the Fifth Amendment, in law this is being tried for the same crime twice.

answer: double jeopardy

6. In a Frances Hodgson Burnett novel, it was a kind of Garden found by Mary Lennox. On Hollywood Squares, it was the square that carried a bonus prize.

answer: secret

7. Though he worked for several Republican colleagues, his most famous roles may be as the spokesman on Clear Eyes commercials and as an economics teacher on *Ferris Bueller's Day Off*.

answer: Ben Stein [*Win Ben Stein's Money*]

8. On average, this meteorological event lasts one quarter of a second. It can result when the ground becomes positively charged and the electric potential in the atmosphere is above ten thousand volts per centimeter.

answer: lightning [round]

9. This was the nickname of a California law that sent repeat offenders to life imprisonment. On *The Price is Right* game, avoid drawing a red "X".

answer: three strikes

10. The policies requiring free trade in China were "open" ones, and it's also the name of a Jim Morrison music group and what Monty Hall offered to contestants.

answer: doors [on *Let's Make a Deal*]

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. Having broken Dan Marino's record, what quarterback scored more touchdowns than any other in the 2004 season?

answer: Peyton Manning (prompt on partial answer, brother Eli is a New York Giant)

2. Discovered in 1840 by the German Schonbein, what compound of three oxygen atoms forms a protective layer of the atmosphere which now has a hole in it?

answer: ozone

3. Turtle is the main character in what Ellen Raskin book about a competition to inherit a fortune?

answer: The Westing Game

4. Though Trenton is the capital of New Jersey, this city is the most populous. Name this city just west of New York City that shares its name with a city in northern Delaware.

answer: Newark

5. The first one started the nineteenth dynasty. The second one famously battled the Hittites at Kadesh. Who are these

pharaohs, one of whom is thought to have ruled during the time of Moses?

answer: Ramses

6. Equal to one billion bytes, what amount of computer memory is also equal to one thousand megabytes?

answer: gigabyte [a gigabyte can also mean 1024 megabytes]

7. This is the main character and narrator of Harper Lee's *To Kill a Mockingbird*. What is this name, also the type of person that Sir Robert Baden-Powell wanted English boys to be?

answer: Scout

8. The Greeks used a Theta to represent it, while the Mayans used a horizontal bar and four dots. What is this number that in the Roman system is IX [eye-ex]?

answer: 9

9. Whose name means "playful one" and as a daughter of chief Powhatan saved John Smith from being killed?

answer: Pocahontas

10. One-twelfth of a carbon atom is called an AMU. What does AMU stand for?

answer: atomic mass unit

11. The term is Japanese for "harbor wave". South East Asia experienced several in December 2004, killing thousands. What are these tidal waves caused by earthquakes under the sea?

answer: tsunami (prompt on "tidal wave" before given, which is not a Japanese term)

12. Since 1982 her Kinsey Millhone Series has been working its way through the alphabet. Who is this author of *A is for Alibi* and the 2005 work *S is for Silence*?

answer: Sue Grafton

13. What river starts near Dijon and flows past Rouen on its way to the English Channel? This river also flows through Paris.

answer: Seine

14. Types include identity, square, and inverse. This is a mathematical collection of elements usually depicted in square brackets in rows and columns. What is term that also describes the film from which today's subtitle "The Questions Reloaded" is derived?

answer: matrix (accept: The Matrix Reloaded)

15. The Romans built many of these, the first of which was called the Aqua Marica. What are these artificial channel built to transport water?

answer: aqueduct

16. A nephrologist [nef-FROLL-o-gist] is a doctor who specializes in what organ of the body that filters the blood?

answer: kidney

17. Translate this Spanish phrase: "Día de Accion de Gracias", a national holiday celebrated in the Fall.

answer: Day of Giving of Thanks or Thanksgiving (accept anything close)

18. What term for a long trip is derived from the name of a hero who traveled ten years on the way home from Ithaca? In a scholastic competition, you might make one of the mind.

answer: odyssey

19. Built for Mumtaz in 17th century India by the Shah Jahan, what white mausoleum is found in Agra?

answer: Taj Mahal

20. In what Grant Wood painting are a farmer and his wife depicted?

answer: American Gothic

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. Lunch hour is twelve to one, and yesterday a non-digital clock randomly stopped on a time with all times equally likely. What is the probability that the clock stopped on a time between twelve and one?

answer: 1/12 or 1 in 12 or 8.33%

2. Sometimes it extends from the entrance to the chancel. What is this central hall of a church, flanked by aisles?

answer: nave

3. What dome-shaped muscle is attached to the lower ribs and contracts when we inhale?

answer: diaphragm

4. What American author's works include *The Sun Also Rises*, *For Whom the Bell Tolls*, and *A Farewell to Arms*?

answer: Ernest Hemmingway

5. What is the name of the mountain range that stretches from the Arctic Ocean through Russia to Kazakhstan, said to divide Russian into Asian and European parts?

answer: Ural(s) Mountains

6. The countries of Jamaica, Australia, Ecuador, Barbados and Belize all use what monetary unit that you might have in your pocket right now?

answer: dollar

7. Examples are checking to see if the front door is locked several times and excessive hand washing. What is this disorder abbreviated OCD?

answer: obsessive-compulsive disorder (accept obsession or compulsion before "OCD")

8. To the nearest ten degrees, one hundred four degrees Fahrenheit is how many degrees in the Celsius scale?

answer: 40

9. In *Battlestar Galactica*, she crashed on a planet and took control of a Pylon [CY-lon] ship. In *Moby Dick*, he was the first mate of the ship *Pequod*. What name do these characters have in common, which almost sounds like a coffee chain?

answer: Starbuck (do not accept "Starbucks")

10. The phylum porifera is composed mainly of what marine animals that filter water through their pores?

answer: sponges

11. It appeared in the center of the first board in the original, while it moved around the first board in Ms. Pac Man. What is this fruit worth 100 points, whose varieties include Bing?

answer: cherry

12. What Polish astronomer proposed in the fifteenth century that the Sun was the center of the Solar System?

answer: Nicolaus Copernicus

13. The seat of Adams county, Pennsylvania, what town is remembered for the July 1863 civil war battle fought there?

answer: Gettysburg

14. What crime is committed when money is obtained by threatening to reveal a secret or crime committed by another, or using power such as that as of a policeman to compel others to relinquish property?

answer: extortion or blackmail

15. What term describes organisms that eat both plants and animals?

answer: omnivores

16. Pencil and paper ready. Bill has twenty and fifty dollar bills. The total of the money is two hundred sixty dollars, and he has ten bills total. How many of each kind of money does Bill have? [*reminder: 10 second question*]

answer: 8 twenties and 2 fifties

17. What 1983 work by Sandra Cisneros is about a young Mexican girl named Esperanza?

answer: The House on Mango Street

18. Its two branches come together in Sunbury, Pennsylvania and it flows past Harrisburg. What is this river that ends at the Chesapeake Bay?

answer: Susquehanna

19. Though he did not invent the technique, Henry Ford mass-produced his cars using a long conveyer in which each station

involves one part. What is this technique called?

answer: assembly line

20. It traveled to Fort Laramie, along the north Platte river, past Fort Boise, and finally to Portland and surrounding areas. What was this path used by settlers traveling in covered wagons, also the name of a computer game in which you make the trip?

answer: Oregon Trail