

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

Bonus Category: "I" IN BIOLOGY

Given a definition, name these terms starting with the letter "I".

1. Behaviors that an organism does not learn.

answer: instinct (accept word forms)

2. Process by which ducks learn to follow their mother.

answer: imprinting

3. The Egyptian god Thoth was depicted as this long-legged bird similar to herons.

answer: ibis

4. Group of organs that fight foreign invaders causing disease.

answer: immune system (accept close equivalents)

5. Animals lacking a backbone.

answer: invertebrates

6. Teeth in the front of the mouth.

answer: incisors

7. Small mammals such as moles and hedgehogs that eat plants and especially bugs.

answer insectivores

8. Reptiles of the Mesozoic Era that looked like dolphins with long snouts.

answer: ichthyosaurs

9. Digestion organs that include the cecum and colon that come in large and small varieties.

answer: (large and small) intestines

10. Native country of the Komodo Dragon.

answer: Indonesia

Bonus Category: AMERICAN FIRSTS

Name the American man or woman who was the first to do these:

1. Walk on the moon.

answer: Neil Armstrong

2. African American to play major league baseball.

answer: Jackie Robinson

3. Be First Lady

answer: Martha Custis Washington (accept: Martha Custis)

4. Invent a cotton gin and use interchangeable parts

answer: Eli Whitney

5. Serve more than two terms as U.S. President

answer: FDR or Franklin Delano Roosevelt (prompt on partial name)

6. Win a women's World Cup of Soccer at age nineteen

answer: Mia Hamm

7. The first First Lady to serve in Congress.

answer: Hillary Rodham Clinton

8. Woman to fly across the Atlantic Ocean

answer: Amelia Earhart

9. Be Homeland Security Secretary

answer: Tom Ridge

10. First female solo anchor of a major television network weekday evening newscast

answer: (Katherine Anne) "Katie" Couric

Bonus Category: TELEVISION CHARACTERS

Given a list of characters, name the TV show on which they appear.

1. Sideshow Bob, Sideshow Mel, Sideshow Luke Perry

answer: The Simpsons

2. Gil Grissom, Catherine Willows

answer: CSI: Crime Scene Investigation (do not accept "CSI: Miami" or "CSI: New York")

3. Phoebe Buffay, Ross Gellar

answer: Friends

4. Cliff and Claire Huxtable

answer: The Cosby Show (accept: A Different World)

5. Elaine Benes, George Costanza

answer: Seinfeld

6. Boots, Diego, Swiper

answer: Dora the Explorer

7. Susan Mayer, Bree Van De Kamp, Lynette Scavo

answer: Desperate Housewives

8. Rochelle, Julia, Drew, Tanya, Joey Caruso

answer: Everybody Hates Chris

9. Dr. Jennifer Melfi, Chrissy Moltisanti, "Junior", Tony

answer: The Sopranos

10. Kelly Kapowski, A.C. Slater, Zack Morris, Samuel "Screech" Powers

answer: Saved by the Bell (accept spinoffs The College Years and The New Class)

Bonus Category: STATE CAPITALS

Given two things found there, name the state capital.

1. The John Hancock Building, the *U.S.S. Constituion*

answer: Boston

2. Nearby cities of Tempe and Scottsdale

answer: Phoenix

3. The headquarters of the Mormon Church, a nearby non-freshwater source

answer: Salt Lake City

4. The James River, a capitol building designed by Thomas Jefferson

answer: Richmond

5. Rocky Mountain National Park, Mile High Stadium

answer: Denver

6. Mendenhall Glacier, Last Chance Mining Museum

answer: Juneau

7. The RCA Dome and the Brickyard

answer: Indianapolis [the Brickyard is a nickname for the Speedway]

8. Waikiki Beach, Kamehameha's Palace

answer: Honolulu

9. Chesapeake Bay, the U.S. Naval Academy

answer: Annapolis

10. Ebenezer Baptist Church where King preached and the Carter Presidential Center

answer: Atlanta

Bonus Category: LITERARY AUTHORS

Given two titles, name the author of these works:

1. "The Red Shoes", "The Little Mermaid"

answer: Hans Christian Andersen

2. *Kidnapped*, *The Strange Case of Dr. Jekyll and Mr. Hyde*

answer: Robert Louis Stevenson

3. *The Jungle Book*, *Just So Stories for Little Children*

answer: Rudyard Kipling

4. *Nights with Uncle Remus*, *Uncle Remus and Brer Rabbit*

answer: Joel Chandler Harris

5. *Angels & Demons*, *The Da Vinci Code*

answer: Dan Brown

6. *Now We Are Six*, *The House at Pooh Corner*

answer: A(lan) A(lexander) Milne

7. *Charlotte's Web*, *The Trumpet of the Swan*

answer: E(lwyn) B(rooks) White

8. *The Rainmaker*, *The Runaway Jury*

answer: John Grisham

9. *Little House in the Big Woods*, *Little House on the Prairie*

answer: Laura Ingalls Wilder

10. *The Dispossessed*, *The Earthsea Trilogy*

answer: Ursula K(rober) Le Guin

**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. It is equal to force times distance, and the rate at which it is accomplished is power or horsepower. Name this term from physics whose examples include lifting a book or doing your school assignments.

answer: work

2. The identity type has ones along the main diagonal and zeroes everywhere else. Square ones have an equal number of rows and columns. What are these collections of numbers that share their name with a Keanu Reeves' film?

answer: matrix

3. They include Ehud, Jephthah, Gideon, Deborah, and Othniel. What are these Jewish leaders who make decisions in a book of the Old Testament?

answer: Judges

4. Peter Tomarken reminded contestants it was bad to get three in the first round, and four eliminated a player from the game. What are these red devilish creatures in a game show now hosted by Todd Newton that take contestants' money?

answer: whammy

5. In the process of Pasteurization, what is done to liquids such as milk to destroy harmful bacteria?

answer: heating (accept equivalent)

6. In what city could you visit the Lyndon B. Johnson Space Center, and tell them you "have a problem"?

answer: Houston

7. What Turkish word meaning "lord" was used by the Mongols to describe their leaders Genghis and Kublai?

answer: khan

8. In English "bring", "make", "quit", and "sleep" are what type of verb that is conjugated differently than most other verbs?

answer: irregular

9. In article III [three] of the Constitution, what crime is defined as levying war against the United States or aiding its enemies?

answer: treason

10. The sonnet titled "The New Colossus" by Emma Lazarus can be found on what New York City landmark that welcomed "your tired, your poor / Your huddled masses yearning to breathe free"?

CHARTER CHALLENGE 3 (JAN 2007)  
WHITE SEMI-FINAL

answer: The Statue of Liberty

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11. If a soccer match remains tied after overtime, what are used to decide the winner?

answer: penalty kicks

12. After laying seige to a city for ten years, the Ancient Greek army pretended to go home but instead hid inside a large wooden animal. What kind of animal was this that the Trojan admitted into their city?

answer: the Trojan Horse

13. What literary character of Carlo Collodi is the title character of a Disney film featuring characters Jiminy Cricket and the toymaker Japetto?

answer: Pinocchio

14. Name any of the words derived from the Italian for "strong" that indicate to a musician to play loudly.

answer: forte or fortissimo

15. Pencil and paper ready. The equation  $x^2 - 6x + 9 = 0$  only has one real number solution. What is this value?

answer: 3 (do not accept "negative 3")

16. The Spanish word for cooking pots also gives us the name of what hanging paper-mache figure usually filled with toys or candy that is broken by blindfolded children?

answer: pinata

17. Its name means "Isle of the Pelicans" in Spanish. Native Americans attempted to claim the island in 1969, six years after the prison closed. What is this place in San Francisco Bay known in film as "The Rock"?

answer: Alcatraz

18. Galileo is said to have conducted gravity experiments standing at its top. Begun in the twelfth century, by the time three of its eight stories were completed it was discovered the foundation was soft soil. What is this Italian landmark that tilts?

answer: The Leaning Tower of Pisa

19. It is 75 percent potassium nitrate, with charcoal and sulfur, a formula the Chinese discovered in ancient times. Its use in ballistics began when a German monk used it to propel a projectile. What is this explosive?

answer: gunpowder

20. Mozart wrote the music you sing with it. The words are by the English writers Anne and Jane Taylor, who said the title object is like a "diamond in the sky". What is this nursery rhyme in which "I wonder what you are"?

answer: Twinkle, Twinkle, Little Star



**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. What was repealed by the 21st amendment? You may give the name of the movement that sought to forbid a certain substance or the number of the amendment that was repealed.

answer: prohibition or 18th amendment

2. Said to be the very word of Allah, what is the holy book of Islam?

answer: Koran or Qu'ran

3. I. M. Pei constructed a glass pyramid entrance to what museum that contains the *Venus De Milo* and the *Mona Lisa*?

answer: Louvre

4. In science this term describes organisms that require oxygen. What also describes fitness exercise intended to improve cardiovascular conditioning?

answer: aerobics

5. What phase is the Moon said to be in when it progresses from full to new, the opposite of waxing?

answer: waning

6. The first episode featured Moby, the Osbournes, and Jewel. Narrated by SuChin Pak of *MTV News* what is this show that visits the homes of celebrities?

answer: MTV Cribs

7. Sue Grafton has written many detective novels as she runs through the alphabet. In 1982, she started with the letter "A", which was for what kind of excuse in which an accused person claims they were not at the scene of the crime?

answer: alibi [the title was *A is for Alibi*]

8. His half-sister Morgause bore him a son named Mordred who defeated him at the Battle of Camlann. Who is this British king that was taken to Avalon and may return to reestablish his kingdom at Camelot?

answer: King Arthur Pendragon

9. The most recognized section of Handel's *Messiah* is a chorus devoted to what word, a Hebrew term meaning, "praise the Lord"?

answer: Hallelujah

10. Of the four basic arithmetic operations, which is not closed under division of integers? That is to say, which of the operations can be performed on two integers but need not give an integer as the answer?

answer: division

CHARTER CHALLENGE 3 (JAN 2007)  
WHITE SEMI-FINAL

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11. Said to lie in both Europe and Asia, it was originally known as Byzantium, and was renamed Constantinople after a Roman Emperor made it his capital. What is this city, the largest city in Turkey?

answer: Istanbul (accept early: Constantinople)

12. Pencil and paper ready. A dollar buys three candies and two drinks. A dollar can also buy two candies and five drinks. How many dollars does it take to buy ten candies and fourteen drinks?

answer: 4 dollars

13. What river forms the border between Nebraska and Kansas on one side and Iowa and a namesake state on the other?

answer: Missouri River

14. His father was known as "Great Leader" and his people call him "Dear Leader". What is the name of the current North Korean dictator who succeeded his father Kim Il Sung?

answer: Kim Jong Il (prompt on partial answer)

15. The words "whoa", "yeah", and "oops" are what part of speech that express emotion of the speaker?

answer: interjection or filled pause

16. Forbes magazine estimated that he was ahead of Daddy Warbucks and just behind Santa Claus in the wealth of literary characters. His girlfriend is Gloria Glad and Irona is his robot bodyguard. What comic book character did Macaulay Culkin portray in a 1994 film?

answer: Richie Rich (accept either underlined answer)

17. What science studies how physical and behavioral traits are passed from parents to their offspring, through material such as DNA?

answer: genetics

18. Delaware's own Will Sheridan plays on this school's basketball team, whose highly ranked 2006 team included Mike Nardi, Randy Foye, and Allen Ray. What is this school that won the 1985 national championship, whose Wildcats are located outside of Philadelphia?

answer: Villanova University

19. Name any two of the four national languages of Switzerland.

answer: French, German, Italian, or Romansch

20. Located just south of the Cassiopeia constellation, it is the most distant object that can be seen by the naked eye. What is this closest spiral galaxy to the Milky Way?

answer: Andromeda