

CHARTER CHALLENGE 4 (JAN 2008)  
ROUND 10

**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: OPERA

1. What composer's operas include *The Magic Flute* and *The Marriage of Figaro*?

answer: Wolfgang Amadeus Mozart

2. What voice range refers to the highest notes sung by female singers, higher than alto?

answer: soprano

3. The word "opera" means "work" in what language, in which many operas are written?

answer: Italian

4. Bizet's character Carmen is one of what people traditionally associated with fortune telling?

answer: gypsy or roma

5. Meaning "air", these are expressive songs in an opera, usually by one singer.

answer: aria

6. Rossini wrote an opera about what Swiss archer?

answer: William Tell or Guillaume Tell

7. Whose name is Erik and lives beneath a Paris Opera House in a Gaston Laroux [lah-ROO] work?

answer: The Phantom of the Opera

8. Both Verdi and Rossini did operas about what Shakespearean character that kills his wife Desdemona?

answer: Othello

9. Benjamin Britten's opera *Gloriana* was written for the coronation of what ruler in 1953?

answer: Queen Elizabeth II

10. This is a piece of music that introduces an opera. Tchaikovsky wrote one about 1812.

answer: Overture

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Bonus Category: HISTORICAL "GREATS"

Every answer in this category includes the word "Great".

1. This describes the poor economic conditions of the 1930s.

answer: Great Depression

2. The Rush-Bagot Treaty limited naval competition between the U.S. and Britain in these Midwestern bodies of water.

answer: Great Lakes

3. This Macedonian conquered the Persian empire in 334 B.C.

answer: Alexander the Great

4. It was started by the Qin [CHIN] dynasty to prevent incursions from the Mongols.

answer: Great Wall of China

5. This Russian Empress battled the Turks so she could gain control of the Black Sea.

answer: Catherine (the Great) Romanov

6. This was the final resting place of the Pharaoh Cheops.

answer: the Great Pyramid

7. These were religious revivals in the U.S.. The second started around 1800.

answer: Great Awakening

8. This king who sought the baby Jesus is sometimes called "the Great".

answer: Herod the Great

9. This was the original name of the conflict that ended in 1919.

answer: the Great War [now called World War I]

10. This Russian Czar built a new capital on the Baltic coast to help Westernize his country.

answer: Peter I (the Great) Romanov

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Bonus Category: THE GREEK GODS

1. Whose 12 labors included killing the Hydra and stealing the apples of the Hesperides?

answer: Hercules

2. Who led the Argonauts to find the Golden Fleece?

answer: Jason

3. Who killed Hector at Troy, but was later shot in the heel with a poison arrow?

answer: Achilles

4. Who killed the Medusa and rescued Andromeda?

answer: Perseus

5. What goddess of wisdom had a special relationship with a city with a similar name?

answer: Athena

6. What ruler of Mount Olympus had a Roman equivalent named Jupiter?

answer: Zeus

7. Who stole fire from the Gods, and was chained to a rock as punishment?

answer: Prometheus

8. Bellerophon died when he fell from what winged horse?

answer: Pegasus

9: Theseus slew what creature that was half man and half bull, that lived in the labyrinth?

answer: Minotaur

10. This word meant both the Greek underworld and also the god the dead.

answer: Hades

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Bonus Category: SCIENCE

1. This instrument known as “Torricelli’s Tube” measures air pressure.

answer: barometer

2. Depicted in the Bayeux Tapestry, this object is visible in the sky every 76 years.

answer: Halley’s Comet

3. Windshields, blades, and wedges are examples of which simple machine?

answer: inclined plane

4. One property of motor oil is what resistance of a fluid to flow?

answer: viscosity

5. What mineral with a Moh's hardness of one is used in baby powder?

answer: talc (accept: talcum)

6. Kinetic, potential, chemical, and thermal are types of what conserved quantity in physics?

answer: energy

7. What wheelchair-bound Cambridge scientist wrote *A Brief History of Time*?

answer: Stephen Hawking

8. Protons and neutrons are each composed of three of what particle that comes in up, down, charm, and top varieties?

answer: quark

9. Compounds of what type, such as ethanol and isopropanol, are characterized by a hydroxyl group?

answer: alcohol(s)

10. Whose principle says that the buoyant force on an object immersed in water is equal to the weight of the displaced water?

answer: Archimedes

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Bonus Category: FEMALE LITERARY CHARACTERS

Given an author and something about them, name these female book characters:

1. Ann M. Martin: This friend of Claudia, Stacey, and Mary Anne founded for the Babysitter's Club.

answer: Kristy Thomas (accept any underlined named for all parts)

2. Judy Blume: Nemesis of Peter Hatcher in the "Fudge" series, she is called "Queen of Cooties"

answer: Shelia Tubman

3. Ellen Raskin: This younger sister of Angela solves the Westing Game.

answer: Tabitha-Ruth "Turtle" Wexler

4. Ann Brashares: She visits her grandparents in Greece and shares the traveling pants with Tibby, Bridget, and Carmen.

answer: Lena Kaligaris

5. E.L. Konigsburg: she runs away with her brother to the Museum in *From the Mixed-Up Files of Mrs. Basil E. Frankweiler*

answer: Claudia Kincaid

6. Phyllis Reynolds Naylor: She lives in Silver Springs, Maryland and her dad marries her old English teacher.

answer: Alice McKinley

7. J.K. Rowling: this Gryffindor has a twin sister in Ravenclaw named Padma.

answer: Parvati Patil

8. Meg Cabot: This *All-American Girl* saves the president from assassination.

answer: Samantha Madison

9. Margret Mitchell: She marries Charles Hamilton, Frank Kennedy, and Rhett Butler.

answer: Scarlett O'Hara

10. Carolyn Keene: She solves crimes with her two best friends, Bess and George.

answer: Nancy Drew

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**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. In this country, adults will fly kites with razors to cut opponents' and boys will chase after defeated kites. Khaled Hosseini was originally from what country, which he told about in his novel *The Kite Runner*, which was invaded by the U.S. before Iraq?

answer: Afghanistan

2. The Christian observance of Pentecost occurs fifty days after what holy day, which usually places Pentecost in June?

answer: Easter

3. The "angle-angle-angle" test will not prove congruence, but it can prove this property. What is this term that describes polygons with the same basic shape but not the same size?

answer: similar (accept word forms)

4. The Treaty of Nanking ended what war between Great Britain and China named for a drug?

answer: (first) Opium War

5. In a business letter, what describes the part of the letter between the inside address and the body, which often contains the words "Dear Sir or Madam"?

answer: salutation or greeting

6. What tomb built in 1650 in Agra by the Shah Jahan is a white Mausoleum in India?

answer: Taj Mahal

7. The original B & O railroad connected it with West Virginia. During the War of 1812, its battle included the attack on Fort McHenry. The Lord of this name was a member of the Calvert family who was the first proprietor of the Maryland colony. What is this port, where you would find Inner Harbor?

answer: Baltimore

8. In the Cascade mode, you get a bonus when one score causes another score. Go Low mode scores you based on your highest block. These are variants in the Xbox 360 version of what Russian video game?

answer: Tetris Evolution

9. What did the Egyptian astronomer Ptolemy [TOLL-oh-me] say was at the center of the Solar System?

answer: the Earth

10. One member injured another twice in car accidents, while a third set up the *Search For a Star* contest. 2D, Murdoch, and Noodle are shown on stage using Pepper's ghost technology, as when they performed with Madonna singing "Feel Good Inc.". *G-sides* and *Demon Days* are albums by what virtual band?

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answer: Gorillaz

11. Pencil and paper ready. What is the slope of a line that passes through the points (5,3) and (9, 4)?

answer: 1/4 or 0.25

12. Conjunctivitis, myopia, glaucoma, and cataracts are all conditions related to what organs?

answer: eye

13. Known as "the leader" or Il Duce, he invaded both Ethiopia and Albania. But his Fascist Movement didn't survive World War II. Who is this leader of Italy?

answer: Benito Mussolini

14. In British English, how does one spell the word "color"?

answer: c-o-l-o-u-r

15. The two types are called cone and fountain. Over 8400 gallons are ejected into the air when the one at Yellowstone called Old Faithful erupts. What are these streams of water?

answer: geyser

16. The word means "praise the Lord" and is often said in the book of Psalms. Name this word, famously used by George Friedrich Handel in a chorus of his Messiah oratorio.

answer: Hallelujah (accept: Alleluia before "Handel")

17. When he returned to England to settle boundary disputes, he was accused of treason. Many in England distrusted his Quaker religion, but those who settled in his colony around Philadelphia embraced it. Who is this man for whom a state is named?

answer: William Penn

18. Name all four of the March sisters in Louisa May Alcott's *Little Women*.

answer: Amy, Beth, Jo, Meg

19. Between 1999 and 2002, he earned an astounding 81wins, which propelled him to four Cy Young awards and the 2001 World Series. Who is this man, who with Curt Schilling pitched for the Arizona Diamondbacks?

answer: Randy Johnson

20. Donald Rumsfeld and Robert Gates are the last two men to hold what position in the cabinet, which oversees military matters?

answer: Secretary of Defense

**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 occurred in April 2007 when Colorado shortstop Troy Tulowitzki caught Chipper Jones' line drive, stepped on second and tagged Edgar Renteria before he could return to first?

answer: an unassisted triple play (prompt on partial answer)

2. What were the three divisions of the psyche in Sigmund Freud's structural theory?

answer: id, ego, superego

3. It produces platelets, and red and white blood cells. What is this substance at the center of bones?

answer: bone marrow

4. What word describes written sentences that convey strong emotions, which usually are ended with a special punctuation mark?

answer: exclamatory (accept: exclamation)

5. This term describes correlations in which the dependent variable increases as the independent one does. It also describes slopes of lines in which the change in y has the same sign as the change in x. What is this term, that describes the charge of a proton and values greater than zero?

answer: positive (accept: direct before "slope")

6. A party by this name joined its efforts with the Womens Christian Temperance Union and the Anti-Saloon League. By the 20<sup>th</sup> century, they had succeeded in passing the 18<sup>th</sup> amendment. What was this movement to ban alcohol?

answer: Prohibition

7. Alaska, Texas, and California are the three largest states by area. Name any two of the next four largest.

answer: Montana, New Mexico, Arizona, Nevada

8. The cup above the center signifies the sabbath, and there was a golden one in the Tabernacle. What is this multibranchcd candelabrum used in the celebration of Hanukkah?

answer: menorah

9. Pencil and paper ready. An isosceles triangle has angles in a ratio of 1 to 2 to 2. What is the measure of smallest angle in this triangle?

answer: 36 degrees [the angles are 36, 72, and 72]

10. The first features Private Martin, Sergeant Evans, or Sergeant Vronin, and players participate in the Battles of Normandy and Stalingrad. The fourth, in Fall 2007, features a Russian nationalist who funds a coup in the Middle East. What is this series of games, with subtitles *Modern Warfare* and *Finest Hour*?



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answer: Call of Duty

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11. There is a red barn in the back right and the farmhouse contains a single window on the second floor. What is this painting by Grant Wood depicting a farmer with a pitchfork and his wife?

answer: American Gothic

12. They tried to use Augments to genetically enhance their species, but the experiment backfired and they began to look more human. This explains why General Martok and B'Ellanna Torres look so different than those seen in *The Trouble With Tribbles*. What is this race of warriors that battles Captain Kirk?

answer: Klingon(s)

13. Each of her sections begins with "Dear Kitty" as though she were writing to a friend. She says that "After 1940 the good times were few and far between" as her family and four others went into hiding. Name this young Jewish girl who hid in Amsterdam from the Nazis and wrote a diary.

answer: Anne Frank (prompt on "The Diary of a Young Girl")

14. There were twice as many in 1991 as in the entire nineteenth century, and the cloture rule limits its use. Strom Thurmond attempted one that lasted 24 hours and 18 minutes in an attempt to defeat the Civil Rights Act of 1957. What are these long speeches used in the Senate to defeat legislation?

answer: filibuster

15. The Vaisyas, Brahmins, and untouchables are part of what class system that divides Hindu society in India?

answer: the caste system

16. What branch of biology deals with the observation and analysis of systems of living organisms, concerning how they interact with their environment?

answer: ecology

17. He took part in the expedition of Balboa that sighted the Pacific Ocean and his half brother Bonzalo explored around Quito and made himself governor of Peru. Who is this explorer that defeated Atahualpa and thus conquered the Incas?

answer: Francisco Pizarro

18. What term describes art in which the main subject is nature, such as mountains, rivers, and trees?

answer: landscape(s)

19. This state's most populous cities include Evansville, Gary, Fort Wayne, and South Bend. Its most populous city hosts a car race. Name this state between Illinois and Ohio.

answer: Indiana

20. After Smith, Johnson, Williams, and Brown, this is the fifth most common family name in the U.S. Famous people with this last name are actress Catherine Zeta, the locomotive engineer Casey, and American musician Norah. What is this last name, a family you're supposed to keep up with?

answer: Jones