

1997 Cavalier Classic  
Round 2

Tossups:

1. Subtitled "The Children's Crusade, a Duty-Dance with Death", this novel tells the story of a naive optometrist who, on the eve of his daughter's wedding, is kidnapped by aliens who teach him about the fourth dimension. Allowed to return to his home in Ilium, New York, Billy Pilgrim must relive his wartime experiences, such as the firebombing of Dresden, as he becomes "unstuck in time". FTP, name this 1969 novel by Kurt Vonnegut.

Answer: Slaughterhouse Five

2. According to Mohammed, a tree of this type stands in the seventh heaven, on the right hand of the throne of God. To the Egyptians, it was a plant on which God sat above the watery mud. In Greek myth, a daughter of Poseidon, fleeing from Priapus, was changed into such a plant. FTP, give the name of these plants on which Buddha sits and which give their name to a cross-legged sitting position for meditation.

Answer: Lotus

3. Buffon's method for determining this quantity involves repeatedly dropping a pin onto a piece of lined paper, but modern computers can use infinite series to calculate it precisely. It is the number of radians in 180 degrees, and the ratio of the volume of a sphere to four-thirds of the cube of its radius. FTP, what is this mathematical quantity most simply defined as the ratio of the circumference of a circle to its diameter?

Answer: Pi

4. "Capture green bug for future reference." So notes a recently publicized diary kept by this playwright and novelist while she was under the influence of LSD in the early 1960's. An editor at Vogue and Vanity Fair, she was best known as a writer for plays such as Slam the Door Softly and The Women. FTP name this former ambassador to Italy and politically conservative U.S. Congresswoman during the 1940's, who was married to the founder of Time magazine.

Answer: Clare Boothe Luce

5. He believed that the libido encompassed all life processes, not just sex, and developed the concept of the shadow as the repressed part of the personality. He called the masculine and feminine parts of the unconscious the anima and the animus, and formulated the idea of introvert and extrovert types. FTP, name this Swiss psychologist, who broke with Freud in 1913, and who is best known for his concept of the collective unconscious.

Answer: Carl Jung

6. As a child actress she played Helga on Swiss Family Robinson, and Murray Slaughter's teenage daughter Laurie on the Mary Tyler Moore show. She labored in relative obscurity over the next decade, playing Billy Crystal's agent in Mr. Saturday Night and Eric Stoltz's girlfriend in Sexual Healing. When she got her big break in 1992, it was on a sitcom where Stoltz has appeared as her ex-boyfriend, and her real-life boyfriend Hank Azaria plays Nat the dog-walker. FTP, name this star of Mad About You and Twister.

Answer: Helen Hunt

7. After her death, her writings were discovered by her sister Lavinia. They were first shown to the public in volumes edited by Mabel Todd and Thomas Wentworth Higginson, published in 1890. FTP, name this American writer of 1,775 poems, only seven of which were published in her lifetime.

Answer: Emily Dickinson

8. The project to dam this river at its scenic Three Gorges section, which will cost tens of billions of dollars, flood

hundreds of villages and towns and displace millions of people, has been called the last of the great Stalinist projects. The dam will stop flooding down river from a newly created port at Chungking, deep in the Chinese mainland. FTP name this longest river in Asia.

Answer: \_Yangtze\_

9. After being adopted by his great-uncle in 45 B.C., he seized control of the latter's legions and, after crushing a rebel army at Philippi, consolidating his control over the West, he defeated the combined naval forces of Antony and Cleopatra at Actium. Made first senator in 28 B.C., he received in the following year the title under which he would rule Rome for 44 years. FTP identify this Roman emperor who gives his name to the eighth month of the modern calendar.

Answer: \_Augustus\_ (or \_Caius Octavius\_ or \_Octavius Caesar\_)

10. She collaborated with George Kaufman on such plays as \_Stage Door\_, \_The Royal Family\_, and \_Dinner at Eight\_. The author of autobiographical works such as \_A Peculiar Treasure\_ and \_A Kind of Magic\_, she is best known for her novels, which include \_The Girls\_, \_Ice Palace\_, and \_Cimarron\_. FTP, name this American writer, best known for \_So Big\_, \_Giant\_, and \_Show Boat\_.

Answer: Edna \_Ferber\_

11. Turn-of-the-century physicists were puzzled by this phenomenon, which seemed to violate the classical theory of electromagnetism. But the independence of the effect on the intensity of the light, and the existence of a cutoff frequency were neatly explained by Einstein's Nobel Prize-winning theory of photons. FTP name the effect which occurs when a beam of light, shining onto a metal surface, causes electrons to be ejected from the metal.

Answer: \_photoelectric\_ effect

12. With his father and uncle, he arrived at the mouth of the Persian Gulf. Abandoning plans of traveling by sea, he turned north, crossing Persia and Turkmen until he reached the Oxus river. He crossed the plain of Pamir and traveled on through the Gobi Desert until he reached Tangut. Early in 1275, as he would later relate to his chronicler Rustichello of Pisa, he and his companions were received at Shangtu by Kublai Khan. FTP, name this Venetian adventurer.

Answer: Marco \_Polo\_

13. He is one of only two coaches, along with Bear Bryant, to be the winningest head football coach at two Division I schools. The first was Navy, where as a quarterback he finished third in the Heisman voting in his senior year. Now head coach at a school which had only two winning seasons in the thirty years preceding his arrival, he recently set the record for most ACC wins by a head coach. FTP name this man, the head football coach at the University of Virginia.

Answer: George \_Welsh\_

14. Near the end of the novel, *Father Time*, the title character's son, kills the title character's other children and then hangs himself. Afterwards, the protagonist goes back to his first wife, Arabella, and Phillotson and Sue Bridehead reunite. FTP, identify this novel, the last one written by Thomas Hardy, which was recently made into a movie starring Kate Winslet.

Answer: \_Jude the Obscure\_

15. Designed by Chares, and completed about 280 B.C., it commemorated the successful defense of the island on which it stood against Demetrius Poliorcetes in 304 B.C. It was said to have been made from Demetrius' abandoned war machines, though the story that it fell and destroyed the harbor it overlooked dates only to the sixteenth century. FTP, name this 105 foot tall statue of Helios on the island of Rhodes.

Answer: the Colossus of Rhodes

16. This law applies most accurately to large, isolated populations with random mating and no natural selection. In the case of two alleles, it is a simple consequence of a binomial expansion. Named for the two scientists who discovered it in 1908, FTP, what law states that the frequencies of genotypes in a population remain constant unless acted on by processes other than sexual recombination?

Answer: Hardy-Weinberg Law

17. A pioneer in string quartets and a major influence on the development of the classical symphony, this composer wrote much of his great music while Kapellmeister of the Esterhazy family in Hungary. While visiting England, he wrote and conducted his last twelve symphonies, known as the "London Symphonies". Toward the end of his life, in Vienna, he wrote his last six masses and the oratorios The Creation and The Seasons. FTP, name this Austrian composer.

Answer: Franz Joseph Haydn

18. Many of them die of neglect or turn delinquent before the age of ten, but with proper care they can live to be thirty or more. With enough food, games, and medicine, and not too many lectures, these creatures whose name means "watch in an egg" will grow up mametchi, and eventually become oyajichi. FTP, name these artificial pets made by Bandai.

Answer: Tamagotchi (prompt on "virtual pet" or knockoffs like "Giga Pet" on early buzz)

19. The products of this structure, which accounts for more than half of the membrane in many eukaryotes, are formed in the network of tubules and sacs called cisternae, enclosed in transport vesicles and released to the Golgi apparatus. It is divided into a rough region studded with ribosomes, where protein synthesis occurs, and a smooth region which helps synthesize lipids. FTP, identify this cell structure whose name is often abbreviated as "ER".

Answer: Endoplasmic Reticulum (accept early ER)

20. A patron of Ben Jonson, and the author of such works as Counterblaste to Tobacco and Daemonologie, this son of Lord Darnley was called "the English Solomon" and "the wisest fool in Christendom" for his literary ambitions. He ruled Scotland for twenty years following the abdication of his mother Mary, and ascended to the throne of England upon the death of Elizabeth I. FTP name this Stuart monarch.

Answer: James I of England (accept James VI of Scotland)

EX. Its motto is "Forward," and it entered the union on May 29, 1848 as the thirtieth state. Famous citizens of this state have included Orson Welles, Thornton Wilder, and Frank Lloyd Wright. FTP, name this state, whose rivers include the Black, Chippewa, and Menominee, which is nicknamed the "Badger State" and whose capital is Madison.

Answer: Wisconsin

1997 Cavalier Classic  
Round 1

Boni:

1. FTP each give these terms from genetics.

1. These building blocks of nucleic acids consist of a five-carbon sugar covalently bonded to a phosphate group and a nitrogenous base such as cytosine or guanine.

Answer: nucleotide

2. This type of RNA attaches to ribosomes in the cytoplasm and specifies the primary structure of a protein.

Answer: messenger RNA or m RNA

3. A three-nucleotide sequence of DNA or mRNA that specifies a particular amino acid or termination signal, it is the basic unit of the genetic code.

Answer: codon

2. Identify the school of art from representative artists FTP each.

1. Pablo Picasso and Georges Braque

Answer: Cubism

2. Frederic Church and Thomas Cole

Answer: Hudson River school

3. Andre Breton and Paul Eluard

Answer: Surrealism

3. FTP each, answer the following questions about the French revolution.

1. When Louis XVI forbade the National Assembly from using its normal meeting place, it convened at a sports venue and took this 1789 oath never to disband until France had been granted a constitution.

Answer: the Oath of the Tennis Court (or Jeu de Paume)

2. He dominated the Committee of Public Safety, which was responsible for the reign of terror. Overthrown by the Convention on July 27, 1794, he was sent to the guillotine without trial.

Answer: Max Robespierre

3. Created by the Constitution of 1795, it consisted of five men elected by the Council of Five Hundred and the Council of the Elders. After four years of corruption and bankruptcy, it was overthrown by Napoleon Bonaparte.

Answer: the Directory (or Directoire)

4. Identify the author from works, 30-20-10.

1. His novels include Good as Gold, a satire centering on a Jewish academic, and God Knows, a reinterpretation of the life of David.

2. His other works include 1974's Something Happened and a play, We Bombed in New Haven.

3. He is best known for his first novel, Catch-22.

Answer: Joseph Heller

5. The Florida Marlins reached the World Series faster than any other club in history, just five years after their inception. For five points each and five more for all correct, give the five next fastest clubs, who reached the Series 8, 12, 14, 16, and 16 years after forming.

Answer: New York Mets, Kansas City Royals, Milwaukee Brewers, San Diego Padres, and Toronto Blue Jays

6. FTP each, name these ancient peoples of South America.

1. Their empire extended along the Pacific coast and the Andean Highlands, and had its capital at Cuzco. The Spaniards, under Pizarro, arrived in 1532 and quickly conquered them, though some cities like Macchu Picchu were not discovered by Europeans until centuries later.

Answer: Inca

2. They referred to themselves as Culhua-Mexica, and spoke Nahuatl. After defeating the forces of Teotihuacan, they ruled until the Spaniards under Cortes killed their emperor Montezuma II and seized their capital at Tenochtitlan.

Answer: Aztec

3. They controlled what is now southern Mexico, Guatemala, and northern Belize from about 250 A.D. until their mysterious collapse around 900 A.D. During their "classic" period they built elaborate temples, created a precise astronomical calendar, and developed advanced farming techniques.

Answer: \_Maya\_ or \_Mayan\_

7. FTP each, identify these literary works.

1. This collection of poems by Elizabeth Barrett Browning expresses her love for her husband Robert. The forty-third begins with the line, "How do I love thee? Let me count the ways."

Answer: \_Sonnets from the Portuguese\_

2. Written in one sitting on October 25, 1819, it concludes with the question "If winter comes, can Spring be far behind?"

Answer: \_Ode to the West Wind\_

3. More widely known in English than the original Arabic, thanks to Edward FitzGerald's translation, this collection of epigrammatic quatrains by Omar Khayyam derives its name from the Arabic for "quatrain".

Answer: the \_Rubaiyat\_

8. FTP each, answer these questions about thermodynamics.

1. A measure of the disorder in a system, denoted by the letter 'S', it can never decrease in an isolated system, according to the second law of thermodynamics.

Answer: \_entropy\_

2. The third law of thermodynamics states that absolute zero cannot be attained in a finite series of steps. Name the scientist whose temperature scale has its zero at absolute zero with degrees the same size as Celsius degrees.

Answer: Lord \_Kelvin\_ (William \_Thompson\_)

3. This French engineer conceived of the thermodynamic engine of theoretically maximum efficiency.

Answer: Sadi \_Carnot\_

9. Given a Greek god, name his or her Roman counterpart for five points each, with a five point bonus for all correct.

1. Hermes

Answer: \_Mercury\_

2. Ares

Answer: \_Mars\_

3. Cronus

Answer: \_Saturn\_

4. Hades

Answer: \_Pluto\_

5. Demeter

Answer: \_Ceres\_

10. FTP each, name the Shakespeare play from characters appearing in it.

1. Banquo, Duncan, Fleance

Answer: \_Macbeth\_

2. Hippolyta, Oberon, Bottom

Answer: \_A Midsummer Night's Dream\_

3. Claudio, Angelo, Lodowick, Juliet

Answer: \_Measure for Measure\_

11. Elton John's recent tribute single in honor of the late Princess Diana sold several million copies in its first few weeks of release, and is already one of the top three selling singles of all time.

1. For five points, name the single.

Answer: \_Candle in the Wind '97\_

2. Candle in the Wind '97 is an update of another tribute single by John. For five points, who was the subject of the earlier tribute?

Answer: Marilyn \_Monroe\_

3. For ten points each, give the title and artist for the other two of the top three singles of all time. You must give both title and artist to receive the points for each one.

Answer: Macarena by Los Del Rio, I Will Always Love You by Whitney Houston

12. FTP each, identify these battles of World War I.

1. This September 1914 offensive threw back the German advance on the Western Front. It is also notable for the first mechanized transport of troops, as 600 taxis were used to ferry reinforcements from Paris.

Answer: the First battle of the Marne

2. Also called the Battle of the Skagerrak, this naval engagement fought on May 30 and June 1, 1916 left Britain in control of the North Sea.

Answer: Jutland

3. Despite a week of artillery bombardment intended to soften German positions, the British lost 60,000 soldiers on the first day of this offensive. Four and a half months and 1.2 million casualties later, the Allies had advanced just five miles despite Britain's first use of tanks.

Answer: the First battle of the Somme

13. Identify these physical quantities relating to electric circuits for ten points from a definition, or for five points from the SI units in which they are measured.

1. 10 points: The ratio of the potential difference between two points in a circuit, to the current flowing between them.

5 points: Ohm

Answer: resistance

2. 10 points: The ratio of the electric flux through a surface bounded by a current loop to the current flowing through that loop.

5 points: Henry

Answer: inductance

3. 10 points: The ratio of the equal and opposite charges on two equipotential surfaces to the potential difference between them.

5 points: Farad

Answer: capacitance

14. For ten points each, give these terms for kinds of languages.

1. A language with a small vocabulary, simplified grammar, and no native speakers, it is used by those who wish to communicate with others in a simple version of their native tongue.

Answer: pidgin

2. This is a pidgin which has acquired native speakers, such as the Louisiana dialect derived from French.

Answer: creole

3. A compromise language used by groups who have no language in common and do not wish to learn simplified versions of the other's languages, examples are Swahili in Eastern Africa and English for scientific purposes. Its Italian name literally means "language of the Franks."

Answer: lingua franca

15. FTP each, identify these literary protagonists.

1. Nicknamed "Rabbit", this self-absorbed, philandering salesman is the protagonist of a series of novels by John Updike which have won two Pulitzer prizes.

Answer: Harry Angstrom

2. This title character of a Tolstoy work leaves her husband and child for a handsome young officer, then throws herself under a train when she believes he is about to leave her.

Answer: Anna Karenina

3. Notable for his charm, vanity, broken English, and diminutive stature, this Belgian detective created by Agatha Christie finally died in Curtain, a victim of severe arthritis and a weak heart.

Answer: Hercule Poirot

16. Identify the director from films, 30-20-10.

1. White Squall, Black Rain

2. Legend, Thelma and Louise

3. Blade Runner, Alien

Answer: Ridley Scott



17. FTP each, name these advisors of John F. Kennedy.

1. Kennedy's Secretary of State, he opposed the diplomatic recognition of China and was a hawkish supporter of the Vietnam War.

Answer: Dean Rusk

2. At one time the chief U.S. delegate to the United Nations, he was an unsuccessful presidential candidate in 1952 and 1956.

Answer: Adlai Ewing Stevenson

3. Briefly president of the Ford Motor Company, he altered U.S. military policy from Eisenhower's "massive retaliation" to a "flexible response" policy emphasizing counterinsurgency. He later served as president of the World Bank, and apologized for his role in promoting the Vietnam War.

Answer: Robert Strange McNamara

18. FTP each, answer these questions about gases.

1. This term describes a gas for which the product of the pressure and volume is proportional to the product of the temperature and the number of moles.

Answer: ideal

2. Within one liter, how many liters are occupied by one mole of an ideal gas at zero degrees Celsius and one atmosphere pressure?

Answer: 22.4 liters (accept 21.4 to 23.4)

3. The probability that a given ideal gas particle will have a certain velocity is given by a "distribution function" named for two 19th century scientists, one who unified the laws of classical electromagnetism, and another who quantified the definition of entropy. FTP, name either of these scientists.

Answer: James Clerk Maxwell or Ludwig Boltzmann

19. Give the capitals of these South American nations for five points apiece, with a five point bonus for all correct.

1. Ecuador

Answer: Quito

2. Chile

Answer: Santiago

3. Peru

Answer: Lima

4. El Salvador

Answer: San Salvador

5. Paraguay

Answer: Asuncion

20. FTP each, name these French writers from works.

1. Emile, The Social Contract

Answer: Jean Jacques Rousseau

2. Gargantua and Pantagruel

Answer: Francois Rabelais

3. The Plague, The Stranger

Answer: Albert Camus