

Tossups

1. In one of this man's works, one character packs her television and a blind Pekinese in boxes which the "van man" helps her take away. Earlier in that play by this author, that character tells the story of how a baby had its eyes gouged out and its hands cut off by Mommy and Daddy, who adopted their "bumble of joy" from the Bye-Bye Adoption Service. A character who feeds hamburgers to his landlady's (*) dog for six days before poisoning it appears in another work by this author of *The American Dream*. That character, who keeps poking a man and asking him to move over on a bench, gets angry and takes out a knife at the end of that work by this author. For 10 points, name this playwright who wrote about Jerry impaling himself after sitting in Central Park and talking to Peter in *The Zoo Story*.
ANSWER: Edward Albee [or Edward Franklin Albee III]
2. The value for the radius of this particle is the subject of intense debate after experiments pairing it with a muon gave a much-lower-than-expected value. The delta plus baryon, which has spin 3/2, is its high-energy equivalent. Grand unified theories that don't conserve baryon number symmetry allow this particle to decay into a neutral pion and positron, but attempts to observe this decay have only succeeded in setting the half-life to at least 10 to the (*) 34 years. A cycle named for these particles that doesn't require carbon, nitrogen, or oxygen as catalysts dominates in stars around 1 solar mass; that fusion cycle is named for a "chain" of these particles and produces helium. This baryon is composed of 2 up quarks and 1 down quark. For 10 points, name this nucleon with a positive charge.
ANSWER: protons [do NOT accept "hydrogen"]
3. This philosopher argued that finding out that gold is actually blue, not yellow, would not disprove the existence of gold, to demonstrate the yellowness is a "phenomenal" rather than an "essential" property of gold. He created an eccentric alteration of the addition operation called "quus" to illustrate his interpretation of an earlier philosopher's ideas on (*) rule-following. That interpretation of *Philosophical Investigations* appears in his *Wittgenstein on Rules and Private Language*. Another of his works is a sustained attack on the theory that proper names function as definite descriptions, and invented a term for names that refer to the same thing in all possible worlds in which that thing exists. For 10 points, name this philosopher who introduced "rigid designators" in *Naming and Necessity*.
ANSWER: Saul Kripke [or Saul Aaron Kripke]
4. The creation of a "sea forest" landfill is one of this city's green initiatives, which began under a mayor who called on his country to "Say No" to America in a 1989 book. This city's 23 wards are all confusingly called "cities" in English. A firefighting deity inspired the name of the "Field of Autumn Leaves" in this city, which has the most Michelin stars of any in the world. (*) Roppongi Hills is a real estate development in this city, where a giant "Skytree" was completed in 2011. The Sevii islands were probably inspired by the "Seven" Izu islands that extend south of this city. This city's name was changed to mean "Eastern Capital" at the end of the Edo period, and it contains Frank Lloyd Wright's Imperial Hotel. For 10 points, name this capital of Japan.
ANSWER: Tokyo-to [or Eastern Capital until it is read; prompt on "Edo"]
5. This event is the subject of Rustin Thompson's film *30 Frames a Second*. Norm Stamper, who was forced to resign after it, now admits his actions during it were wrong, saying "We ought not to have, I think, raised the stakes." The Independent Media Center network was created during this event. About a week before it took place, participants created a spoof edition of the *Post-Intelligencer* claiming that Boeing was moving to Indonesia. Many of its participants were part of a so-called coalition of (*) "teamsters and turtles." This event led to many arrests by the King County Sheriff's Office, who went after activists blocking key intersections and smashing windows near a downtown convention center. For 10 points, name this 1999 series of anti-globalization protests against an international trade group meeting in a Washington city.
ANSWER: Battle of Seattle [Battle in Seattle; or the 1999 Seattle WTO protests; or the 1999 Seattle WTO protests]

6. **This museum housed an exhibition in which patrons laid on their backs and looked up through thick fog at a mirrored ceiling illuminated by an artificial sun, which was the *The Weather Project* by Olafur Eliasson. Yuan Chai and Jian Jun Xi filmed themselves urinating on a sculpture found in this museum. Millions of porcelain sunflower seeds blanketed the floor of this museum's (*) Turbine Hall in an 2010 exhibit by Ai Weiwei. This building's architect, Giles Gilbert Scott, designed a similar building at Battersea, which was also a proposed site for this museum, in 1994. Its famous paintings include Warhol's *Marilyn Diptych* and Lichtenstein's *Whaam!*. For 10 points, name this museum housed in the former Bankside Power Station, a branch of the Tate that is the world's most-visited contemporary art museum.**

ANSWER: Tate Modern [prompt on "Tate (Gallery)"]

7. **The speaker of one poem by this author describes teeth that "seem for laughing round an apple" and ends that poem by claiming that "God will grow no talons" at a young boy's heels. In another poem by this author, a character describes washing the blood off chariot wheels and says "courage was mine, and I had mystery / wisdom was mine, and I had (*) mastery." This author of "Arms and the Boy" described the "blood" that is expelled from "froth corrupted-lungs" as being "obscene as cancer / bitter as the cud". In that poem, the speaker urges his friend to "not tell with such high zest / to children ardent for some desperate glory" a famous Latin line penned by Horace. For 10 points, name this World War I-era poet of "Strange Meeting" and "Dulce et Decorum est."**

ANSWER: Wilfred Owen [or Wilfred Edward Salter Owen]

8. **This task is performed by using a Chebyshev expansion of the relevant function in the Clenshaw-Curtis method. It's not parameter or posterior distribution estimation, but accomplishing this task by averaging across samples from updating conditional distributions is known as Gibbs sampling, which is an application of Markov Chain Monte Carlo methods for accomplishing this task. For evenly spaced intervals, this process can be done using the (*) Newton-Cotes rules, whose closed type of degree two is equivalent to Simpson's rule. For uncomplicated functions, this can be done precisely by hand using the Fundamental Theorem of Calculus. For 10 points, identify this procedure that can approximate the area under a curve.**

ANSWER: numerical integration [or numerical quadrature; anti-prompt on "automatic integration"; prompt on "integration"]

9. **A ruler with this name died while firing a cannon during a siege of Roxburgh Castle, while his predecessor with this name was assassinated by Walter, Earl of Atholl. A second ruler with this name murdered William Douglas after he refused to leave an alliance with the Earl of Crawford. A third ruler with this name married Margaret of York and later died at a battle where his men's pikes were overcome by the enemy's bills, (*) Flodden Field. "The Fifteen" was an attempt to regain the throne by a pretender of this name. After retreating to Ireland, a fourth ruler with this name was defeated at the Battle of the Boyne, securing the reign of William of Orange. For 10 points, give this name of the ruler that was overthrown in the Glorious Revolution.**

ANSWER: James [or James I; or James II; or James IV; or James VII; or James Francis Edward Stuart]

10. **Because the main melody of the second movement of this composer's only violin concerto is given to the oboe rather than to the violinist, Pablo de Sarasate refused to premiere the concerto. A cello solo opens and closes the third movement of this composer's second piano concerto, whose grim second-movement scherzo he jokingly described as "a little wisp." An F, A-flat, F motif is meant to represent the words (*) "free but joyful" in this composer's Third Symphony. He drew from Bach's Cantata "Nach dir, Herr, verlanget mich" to compose a passacaglia in the final movement of his Fourth Symphony. For 10 points, name this German Romantic composer of four symphonies, the first of which Hans von Bulow nicknamed "Beethoven's Tenth."**

ANSWER: Johannes Brahms

11. A work titled after a type of this concept notes that Rwandans committed genocide while wearing American shirts. The Korean government's promotion of *hallyu*, or the Korean Wave, is a canonical example of strengthening this concept. A version of this term was developed in the book *Bound to Lead*. In *Theory of International Politics*, Kenneth Waltz theorized that states act on the principle of self-help to create a (*) "balance" of it out of an anarchic system. The "hard" version of this concept is usually measured by economic output and military strength, while the "soft" version was developed by Joseph Nye to explain non-coercive influence. For 10 points, name this term from political science that denotes an ability to affect events.
ANSWER: power [or soft power; or balance of power]
12. This figure remarks that it seems as if Baldr has returned, after Odin calls him in response to a thundering noise in his halls, which turns out to be due to the death of Erik Bloodaxe. According to the *Prose Edda*, men with huge beards should be called by his name in honor of this god's long beard. In the *Lokasenna*, Loki accuses this god of cowardice, and then accuses this god's wife of sleeping with her brother's killer. That wife holds this god back from talking to Loki, and was held captive for a time by Thiazzzi. A discussion between this god and (*) Aegir comprises the second section of the *Prose Edda*. Norsemen would swear oaths by passing around a cup named for this god, whose tongue bears runes carved by Odin. For 10 points, name this husband of Idunn who is the Norse god of poetry.
ANSWER: Bragi
13. In one story by this author, a character shoots out the eyes of the portrait of a woman, upon which he has already drawn a mustache. In another story by this author, a merchant makes a joke about eating a woman out of hunger, as sailors do, but is surprised when that woman offers him a piece of jellied chicken. One of his characters is stabbed through the neck with a cheese knife by a Jewish girl named Rachel. In a story by him, (*) Count de Breville persuades the title prostitute to sleep with a Prussian officer to allow a carriage to continue on to Le Havre. In the ending of the most famous story by this author of "Mademoiselle Fifi", it is revealed that the jewelry Mathilde borrowed and lost was fake. For 10 points, name this French author of "Boule de Suif" and "The Necklace".
ANSWER: Guy de Maupassant
14. A catalyst based on this element is used in the Shilov system of activating C-H bonds. A hydrosilylation agent called Karstedt's catalyst contains two atoms of this metal. Krogmann's salt and Magnus's green salt both contain this element, whose arsenide is known as sperrylite. Adam's catalyst is a dioxide of this element, to which three chlorine atoms and an ethylene ligand are coordinated in Zeise's salt. The standard (*) hydrogen electrode is made of this metal. A common chemotherapy drug that crosslinks DNA contains this atom bonded to two ammonia ligands and two chlorine atoms. In chemistry labs, it is common to use palladium in place of this element, which is located below palladium on the periodic table. For 10 points, name this transition metal with atomic number 78.
ANSWER: platinum [or Pt]
15. This man stated "I have undertaken vengeance" in a communication he issued from Camp Turel. This leader was appointed as a Lieutenant Governor of his home country after rescuing Etienne Lavaux from the troops of Jean-Louis Villate. This leader's forces won the siege of Jacmel while fighting the "War of the Knives" against Andre Rigaud and Alexandre Petion. After this man allowed for the return of the (*) Bayon de Libertat, he began arranging for the deportation of Sonthonax. His lieutenants included Henri Christophe and Jean-Jacques Dessalines. This man died of pneumonia after being captured by Napoleon's brother-in-law, Charles Leclerc. For 10 points, name this former slave who led the Haitian Revolution.
ANSWER: Toussaint L'Ouverture [or Francois Dominique Toussaint L'Ouverture; or Toussaint Breda]

16. In this place, scenes like the beating to death of Uriah are framed by a group of people who pull heavy cloths to support several bronze shields. Ghirlandaio and Botticelli were part of a team that decorated the northern and southern walls of this place with scenes from the lives of Jesus and Moses. This place contains a fresco in which all lines vanish toward an octagonal temple in Jerusalem, as St. (*) Peter kneels and receives entry to the Kingdom of Heaven. A big canvas located here contains a self-portrait as St. Bartholomew holding his flayed skin. A brain-like assemblage of cloaked beings are located at the right of a painting in it that shows the near-touching fingers of God and Adam. For 10 points, name this portion of the Apostolic Palace whose ceiling was decorated by Michelangelo.
ANSWER: Sistine Chapel [or the Sistine Chapel ceiling; prompt on the “Apostolic Palace”, “Papal Palace”, “Vatican Palace”, or “Palace (of the) Vatican”]
17. This politician’s party accepted sketchy contributions from the Beauharnois power company in the leadup to an election that he lost anyway. He supported a social democratic welfare state in the book *Industry and Society*. This man’s posthumously-published diaries reveal that he regularly conversed with his Irish terriers and the ghosts of dead relatives. In response to an economic downturn, his party used the slogan “[this man] or Chaos” to sweep out (*) R.B. Bennett’s conservative government. This rival of Arthur Meighen became embroiled in a constitutional crisis when the Governor General dissolved Parliament in an affair named for this man and Governor General Byng. For 10 points, name this Liberal Party PM who led Canada for most of the period from 1920 to 1948.
ANSWER: William Lyon Mackenzie King
18. The third part of this book describes the battle of Edrei, in which King Og is killed. Practices condemned in this book include the setting up of ritual pillars and self-mutilation in mourning, but it encourages the sacrifice of first-born male livestock. This book concludes with the death of its central character atop (*) Mount Nebo. Notable verses from this book include the central credo of Judaism, the Shema. It depicts the second appearance of the Ten Commandments and the death of Moses. For 10 points, name this fifth book of the Bible, which is named after the “second law.”
ANSWER: The Book of Deuteronomy [or Deuteronomion; or Devarim]
19. This author created a character who goes through his poop to find his wedding ring while on a horse-riding trip to Argentina. In another work by this author, a character tries to steal an expensive salmon filet by hiding it in his pants, and later goes to Lithuania with Gitanas. Another character created by this author founds an anti-population growth group called Free Space while working with the Cerulean Mountain Trust to preserve warbler habitats in (*) West Virginia. That character is the college roommate of Traumatiks frontman Richard Katz. This author wrote a novel about the marriage of Patty and Walter Berglund, as well as one in which Enid Lambert wants her family to have a Christmas dinner together. For 10 points, name this American novelist of *Freedom* and *The Corrections*.
ANSWER: Jonathan Franzen
20. Cimetidine and famotidine are antagonists of this compound, released by neurons found primarily in the tuberomammillary nucleus of the hypothalamus. The second of this compound’s four GPCRs causes vasodilation and gastric acid secretion upon binding. This compound is degraded by diamine oxidase or its namesake N-methyltransferase. It’s not serotonin, but (*) enterochromaffin-like cells secrete this compound, which binds to receptors on parietal cells of the stomach. This compound is formed from the decarboxylation of a similarly named amino acid with an imidazole ring. The binding of IgE causes the release of this compound from mast cells and basophils. For 10 points, name this compound involved in the inflammatory response that is often released in allergic reactions.
ANSWER: histamine

Bonuses

1. This person's namesake Dance Center is on Lafayette Avenue in Brooklyn, and he choreographed Leroy Anderson's music in his *Sandpaper Ballet*. For 10 points each:
[10] Name this contemporary American choreographer, who re-set *The Nutcracker* in the 1970's in his ballet *The Hard Nut*. He restored Prokofiev's original happy ending in his 2008 production of *Romeo and Juliet*.
ANSWER: Mark **Morris** [or Mark William **Morris**]
[10] Mark Morris did most of his major work with this city's ballet company, the most prominent in America outside of New York. This city's symphony orchestra has been led by Michael Tilson Thomas since 1995.
ANSWER: **San Francisco**
[10] *Falling Down Stairs* was a collaboration between Mark Morris and this Chinese-American cellist, known for his performances of J.S. Bach's *Cello Suites*.
ANSWER: Yo-Yo **Ma** [accept names in either order]
2. The protagonist of this poem is told to look east from a high peak, where he sees Parthian armies streaming out of Ctesiphon to conquer other Asian empires. For 10 points each:
[10] Name this four-book English poem in which Satan tries to tempt Jesus in the desert, a followup to an earlier twelve-book epic.
ANSWER: **Paradise Regained**
[10] This blind author of *Areopagitica* published *Paradise Regained* a few years after finishing *Paradise Lost*.
ANSWER: John **Milton**
[10] In Milton's *Paradise Lost*, the rebel angels fall for this number of days from heaven to hell. In the 12-book version of *Paradise Lost*, the book of this number includes Eve's eating of the forbidden fruit.
ANSWER: **nine** [or obvious equivalents, such as **IX**]
3. A major accent of this country's dialect of English is called Strine. For 10 points each:
[10] Name this country, where so-called "mother-in-law languages" are a common example of avoidance speech. The Pama-Nyugan family of languages is most widely spread in this country.
ANSWER: Commonwealth of **Australia**
[10] This cognitive linguist analyzed categories, such as those found in the aboriginal Dyirbal language, in *Women, Fire, and Dangerous Things*, building on ideas he had introduced with Mark Johnson in *Metaphors We Live By*.
ANSWER: George P. **Lakoff**
[10] *Women, Fire, and Dangerous Things* includes a reconsideration of the ideas of linguistic relativity put forth by this American linguist, in a hypothesis usually co-named with his teacher Edward Sapir.
ANSWER: Benjamin Lee **Whorf**
4. This event led to the independence of Mozambique after the installation of a left-wing government by the Armed Forces Movement. For 10 points each:
[10] Name this revolution that ended the Estado Novo led by Marcelo Caetano.
ANSWER: **Carnation Revolution** [or **Revolução dos Cravos**; or the **25th of April** Revolution; or **Revolução do 25** de maio do **Abril**]
[10] The Carnation Revolution took place in this country, where the Estado Novo was led by the economist Antonio Salazar. The FRELIMO movement sought to liberate Mozambique from this country.
ANSWER: **Portugal** [or the **Portuguese Republic**; or **República Portuguesa**]
[10] This theory that Portugal was a more humane and tolerant colonial master than other European countries was developed by Gilberto Freyre and used by Salazar to justify his colonial policy.
ANSWER: **Lusotropicalism** [or **lusotropicalismo**]

5. Acid-fast organisms are among those that can't be easily characterized using this technique. For 10 points each:
[10] Name this stain that differentiates bacteria into two groups based on whether or not they have lots of peptidoglycan in their cell walls. *Streptococcus* is [this technique]-positive.
ANSWER: **Gram** stain
[10] Name either of the two common counterstains used in Gram staining. They provide an excellent contrast to the primary stain, crystal violet.
ANSWER: **safranin** or carbol **fuchsin**
[10] Darkfield microscopy is preferred to Gram staining for visualizing these corkscrew-shaped bacteria with twisty flagella. They include the treponemes, which cause syphilis.
ANSWER: **spirochetes**
6. As a young boy, this man refused to wear a thread, insisting he should be distinguished by his actions instead. For 10 points each:
[10] Name this man whose life is recounted in biographies called *Janamsakhis*.
ANSWER: Guru **Nanak**
[10] Guru Nanak founded this Indian religion in the 16th century. Its adherents revere a scripture called the *Adi Granth*.
ANSWER: **Sikhism**
[10] This fourth Sikh Guru established the holy site of Amritsar on land donated by Akbar the Great.
ANSWER: Guru **Ram Das**
7. This classic example of a waveguide was formerly heavily used for cable television distribution, and it is commonly encountered in problems involving Ampère's law. For 10 points each:
[10] Name this structure that consists of an inner cylindrical conductor separated from an outer hollow cylindrical conductor by a dielectric.
ANSWER: **coaxial** cable
[10] Convention when analyzing the electric and magnetic fields in a waveguide is that the z-direction is the direction of propagation, so the x- and y-components of the E and H fields are described by this term, which is also used to describe the E and M modes in a waveguide.
ANSWER: **transverse** [prompt on "T"]
[10] The Poynting vector, which is perpendicular to the E and H fields and thus "points" in the direction of propagation, is defined by this vector operation applied to the E and H fields. It returns a vector.
ANSWER: **cross product** [prompt on "(vector) product"]
8. This character's brother Valentin is shot to death in a duel after an over-strong sleeping potion kills her mother. For 10 points each:
[10] Name this peasant girl who is jailed for killing her infant child. A dashing professor seduces her and then abandons her to watch a demonic Walpurgis Night pageant.
ANSWER: **Gretchen** [or **Margarethe**]
[10] This German author wrote about Gretchen's fate in the first part of his *Faust*, which he revised continually for over sixty years.
ANSWER: Johann Wolfgang von **Goethe**
[10] After studying foreign forms such as the ghazal, Goethe coined this term for the growing convergence of artistic traditions, which he hoped would override separated national conceptions of poetry and prose.
ANSWER: **world literature** [or *Weltliteratur*]

9. A man relaxes against a tree as others make little huts out of bales of corn in a painting from this series. For 10 points each:
[10] Name this series from which five paintings survive, including *Gloomy Day*, *The Harvesters*, and one in which people ice-skate on a frozen lake as three men lead their pack of dogs back to a village.
ANSWER: **labors of the months** [or **cycle of the months**; or answers that include **months**]
[10] This Flemish landscapist painted *Hunters in the Snow* as the January entry of his cycle of the months, but is better known for depicting the unnoticed plunge of Icarus into the sea.
ANSWER: Pieter **Breugel** the Elder [or Peasant **Breugel**]
[10] This Bruegel painting of a rustic celebration features plates of food being carried on a door lifted from its hinges and two people playing bagpipes.
ANSWER: *The **Peasant Wedding***
10. This organization became more brutal after a Marxist attack on Siakhel. For 10 points each:
[10] Name this organization, most of whose early personnel were trained by Norman Schwarzkopf and the CIA. This organization was the first to operate the notorious Evin University.
ANSWER: **SAVAK** [or **Sazeman-e Ettela'at va Amniyat-e Keshvar**; or **Organization of Intelligence and National Security**]
[10] An Iranian ruler who took this royal title employed the SAVAK secret police and was effectively allowed to rule as an absolute monarch after Operation Ajax. This title was also used by the Qajars and Safavids.
ANSWER: **Shah** [or **shahanshah**]
[10] This democratically-elected PM of Iran was targeted for overthrow in Operation Ajax because of his socialist sympathies and plans to nationalize Iran's oil industry.
ANSWER: Mohammad **Mossadegh** [or Mohammad **Mossadeq**]
11. One of this city's kings was given a warning to beware a man with one sandal. For 10 points each:
[10] Name this Thessalian city, whose ruler imprisoned his brother Aeson, prompting Aeson to send his child to be raised by Chiron.
ANSWER: **Iolcus** [or **Iolkos**]
[10] This ship took Aeson's son, Jason, and his fellow heroes from Iolcus on the quest to find the Golden Fleece. Some sources have this ship's prow containing wood from the sacred grove at Dodona.
ANSWER: **Argo**
[10] The Golden Fleece was held in this region, located in modern-day Georgia. This region was ruled by the king Aeëtes, whose daughter Medea helped Jason complete his quest and married him.
ANSWER: **Colchis** [or **Kolkhis**]
12. This religious tradition differs from the Lutheran tradition on whether Christ is physically present in the Eucharist, among other things. For 10 points each:
[10] Name this religious tradition, which was founded by a French theologian who wrote *Institutes of the Christian Religion* and made it the established religion in Geneva.
ANSWER: **Calvinism** [or the **Reformed** tradition]
[10] This Dutch word refers to mass outbreaks of iconoclastic Calvinist violence in which mobs would destroy Catholic art. Most of these actions occurred in the Low Countries.
ANSWER: **Beeldenstorm** [prompt on "Iconoclastic Fury"]
[10] This ruler sent the Duke of Alba to govern the Netherlands following a major 1566 Beeldenstorm. The Netherlands organized an alliance against this ruler in the Treaty of Nonsuch.
ANSWER: **Philip II** of Spain [or **Philip I** of Portugal; or **Philip the Prudent**; or **Felipe** in place of Philip; or **Felipe el Prudente**; prompt on "Philip"]

13. A vertically developed example of these objects is the cumulonimbus, which is heavily associated with thunderstorms. For 10 points each:
[10] Name these aggregates of water droplets and/or ice crystals in the atmosphere.
ANSWER: **clouds**
[10] The formation of clouds can be considered a consequence of a rising one of these things, which expands and cools until humidity is above 100%. These imprecisely defined conceptual devices are chosen by taking some undefined amount of atmosphere and pretending it is surrounded by an invisible boundary.
ANSWER: stable air **parcels** [or fluid **parcels**]
[10] The distinctive shape of billow clouds is caused by an instability named for Lord Kelvin and this scientist. You probably know him best for his thermodynamic potential, which is the maximum amount of work a system can do at constant volume and temperature.
ANSWER: Hermann von **Helmholtz**
14. In the novel named for this character, the protagonist starts fantasizing that he is Napoleon III after falling for Sofia, the wife of a friend. 10 points each:
[10] Give this name shared by a philosopher and the dog that he bequeaths to his friend Rubiao in a namesake 1891 novel.
ANSWER: **Quincas Borba** [accept either]
[10] *Quincas Borba* is a novel by Machado de Assis, who hails from this South American country. Its other authors include João Guimarães Rosa and Jorge Amado.
ANSWER: Federative Republic of **Brazil**
[10] In this novel by Jorge Amado, the protagonist must decide between the pharmacist Teodoro and the ghost of her deceased ex, the womanizer Vadinho.
ANSWER: ***Dona Flor and Her Two Husbands*** [or ***Dona Flor e Seus Dois Maridos***]
15. This philosopher was known as “Doctor Subtilis” for his penetrating thought. For 10 points each:
[10] Name this medieval philosopher who formulated a famous defense of the Immaculate Conception. He developed the concept of *haecceitas* to denote the distinct qualities, or “thisness,” of a thing.
ANSWER: John **Duns Scotus** [accept either]
[10] This concept developed by Duns Scotus is the idea that the properties of God, such as being good, mean the same thing when they are applied to people or objects.
ANSWER: **univocity** of being
[10] This philosopher held that God’s goodness is only analogous to human goodness, in contrast to the idea of univocity of being. This man provided five proofs of the existence of God in his *Summa Theologica*.
ANSWER: Saint Thomas **Aquinas**
16. During this scene from a novella, a character is wrapped in the Spanish flag. For 10 points each:
[10] Name this scene in which a black servant draws blood from his master, while that master is being questioned as to why it took him so long to sail from Cape Horn to St. Maria.
ANSWER: Babo **shaving Benito Cereno** [or any description that mentions **shaving** and **Benito** or **Cereno**—all other details, such as cutting him, are superfluous but acceptable]
[10] “Benito Cereno” is one of the *Piazza Tales* by this American author of *Moby Dick*.
ANSWER: Herman **Melville**
[10] In *Moby Dick*, Captain Ahab’s harpooner is this Parsee, who wears his hair in a turban, and who prophesies that Ahab will die only if he sees two hearses on the ocean and that he can be killed only by hemp.
ANSWER: **Fedallah**

17. He was inspired by Lord Byron to write the concert overture *Le corsaire*. For 10 points each:
[10] Name this French Romantic composer of *Symphonie Fantastique* and its bizarre sequel, the monodrama *Lélio* (LAY-leo).
ANSWER: Hector **Berlioz**
[10] Even though Berlioz had originally written *Lélio* about Camille Moke, he pretended it was really about this Shakespearean actress, who inspired *Symphonie Fantastique*'s program and who later became Berlioz's first wife.
ANSWER: Harriet **Smithson**
[10] The last movement of *Lélio* is a Fantasy on this play by Shakespeare. Sibelius's incidental music for this play was one of his last compositions, and Arthur Sullivan's incidental music for this play was his earliest major work.
ANSWER: *The **Tempest***
18. Answer some questions about the antagonists of Bugs Bunny, for 10 points each.
[10] This incompetent hunter's difficulties with pronouncing the letter "r" are amply demonstrated in his catchphrase: "Be vewy, vewy quiet. I'm huting wabbits."
ANSWER: **Elmer J. Fudd** [accept either]
[10] In "Water, Water Every Hare" and one other short, Bugs Bunny twice faces off against the creation of a mad scientist: an orange monster made entirely out of this substance.
ANSWER: **hair** [prompt on "keratin"]
[10] In "Operation: Rabbit" and four other shorts, Bugs was paired with Wile E. Coyote, who is known for his attempts to capture the Road Runner using perpetually-malfunctioning gadgets bought from this company.
ANSWER: **ACME** corporation
19. The Kelvin-Planck statement of this law essentially says that it's impossible to achieve 100% efficiency with a heat engine. For 10 points each:
[10] Identify this thermodynamic law which states that the entropy of an isolated system never decreases.
ANSWER: **second** law of thermodynamics
[10] In his axiomatic statement of the second law of thermodynamics, reading "In every neighborhood of any state S of an adiabatically enclosed system there are states inaccessible from S," this Greek scientist came up with the concept of adiabatic accessibility.
ANSWER: Constantin **Caratheodory**
[10] Loschmidt's paradox demonstrates that any process that one tries to explain using the second law of thermodynamics violates this symmetry, meaning that they might not hold true if a certain metaphorical arrow flipped.
ANSWER: **time-reversal** symmetry [or **T**-symmetry; or **time** symmetry]
20. This man's only white friend was future Indian reservation agent Tom Jeffords. For 10 points each:
[10] Name this Apache leader who fought a devastating 1860's uprising against American troops. He fought with his father-in-law Mangas Coloradas at the Battle of Apache Pass and escalated his raids after Americans killed Mangas Coloradas during a parley session.
ANSWER: **Cochise** [or **Cheis**; or **A-da-tli-chi**]
[10] Cochise surrendered to this American general, who also fought Chief Joseph and the Nez Perce. Not to be confused with Nelson Miles, this man was a Civil War veteran who was commissioner of the Freedmen's Bureau.
ANSWER: Oliver Otis **Howard**
[10] A later Apache chief was this man, who fought in the bloody Apache Wars of the 1860's and 1870's before finally surrendering in 1886. American paratroopers began using this man's name during their aerial operations.
ANSWER: **Geronimo** [or **Goyahkla**; or **Goyaale**]