

1. In this place, one character is shown a griffin pulling a chariot, which is attacked by an eagle and sprouts seven grotesque heads before a giant drives it into a forest. This place contains starving men whose sunken eyes and cheekbones seem to spell out the word “OMO.” The narrator has three dreams in this place, including one about a hideous woman who transforms into a siren and one about Rachel and Leah. Matelda prepares a character to leave this place by guiding him to the rivers of Eunoe and Lethe. Oderisi da Gubbio gives a speech about fame in this place, which also contains envious people whose eyes are sewn shut and proud people burdened by massive stones on their backs. This place is divided into seven terraces, and is the only landmass in the Southern hemisphere. For 10 points, name this mountain where souls perform penance for their sins in Dante’s *Divine Comedy*.

ANSWER: **Purgatorio** [or **Purgatory**]

2. Denhart's solution is a mixture of polymers that saturate non-specific binding sites in this method. Herring or salmon sperm is used as a blocking agent in this procedure. Large fragments are usually depurinated with hydrochloric acid prior to transfer. In this method, the result of agarose gel electrophoresis is transferred to a nylon or nitrocellulose sheet, where it is hybridized with a fluorophore-tagged or radiolabelled probe made of single-stranded DNA or RNA. The membrane is washed, leaving the hybridized target to be detected. This technique is the basis for RFLP analysis, and led to the development of a family of similar procedures. For 10 points, give this technique named for a British biologist that detects a specific DNA sequence in a sample.

ANSWER: **Southern blot**

3. Two answers required. In Albanian lore, one of these two creatures evolves into the bolla, which only opens its eyes once a year and devours any man it sees at that time; the other of these creatures gave its strength to the hero Shqiptar. In Sumerian myth, Utu tells the first of these creatures to hide in a bull's corpse to trap the second of these creatures, who is freed by Etana. In Hindu myth, immortal beings who resemble one of these two animals are the children of Kadru; their enemy, who resembles the other of these two animals, is the son of Vinata. In Norse myth, examples of these two animals exchange insults via Ratatosk. For 10 points, Garuda and the Nagas resemble what two animals, which appeared on a cactus in a sign from Huitzilopochtli to the Aztecs?

ANSWER: **snake** and **eagles** [accept in either order; prompt on **birds** for **eagles**]

4. According to legend, victims of this event had visions of headless black men, who could be seen rowing shimmering boats on the sea at night. Primary sources for this event include the writings of Evagrius Scholasticus, who survived this event while still a child. To combat revenue shortfalls during this event, the neighbors of those killed by it were forced to pay taxes on behalf of the deceased, leading to the collapse of agriculture. The fact that this event began at the port of Pelusium suggests that it was linked to the shipment of grain from Egypt. The best known account of this event comes from the Secret History of Procopius, which claims that it killed 5,000 per day in Constantinople. For 10 points, name this pandemic that crippled the Byzantine Empire, named for the husband of Theodora.

ANSWER: **Justinian Plague** [prompt on “Bubonic Plague”]

5. A theorem due to Liouville dictates that, on high-dimensional Euclidian spaces, all of these are compositions of isometries, homothetic transformations, and spherical inversions and reflections. In general, an invertible morphism between smooth manifolds is called this if the metric induced by the inverse morphism is the same as the original metric. The study of geometry using these is called Riemannian geometry, in part because a bijective one of these exists between any simply-connected proper subsets of the complex plane according to the Riemann mapping theorem. These transformations have the very useful property of mapping harmonic functions on one space to harmonic functions on another. Their Jacobians are proportional to rotation matrices. For 10 points, name this type of function that agrees with the property of keeping angles the same.

ANSWER: a **conformal** map [accept **angle-preserving** map before the end and prompt on it after]

6. Henry Carey satirized Ambrose Phillips' odes to this figure in his poem *Namby Pamby*. A play attacking this figure includes a scene in which Queen Common Sense is overthrown by Queen Ignorance, and ends with a skit in which four men are bribed by Quidam. William Arnall frequently defended him against attacks published in *The Craftsman*. Alexander Pope depicted him as a wizard passing around a cup of forgetfulness in *The Dunciad*. Many critics believe that Jonathan Swift caricatured this man as Flimnap in the first book of *Gulliver's Travels*. He was the target of plays such as *Pasquin* and *The Historical Register*, and was often compared to Jonathan Wild by his opponents, who included Lord Bolingbroke. His "Robinocracy" was lampooned in several plays by Henry Fielding, causing him to introduce the Licensing Act of 1737. For 10 points, name this Whig Prime Minister who was roundly attacked for his corruption during the reign of George I.

ANSWER: Robert **Walpole**

7. In the first scene of this opera's third act, one character signals his lover by singing the ballad "In Mohrenland gefangen war." A bass in this opera revels in the gruesome punishments he's ready to dish out in the aria "Ha, wie will ich triumphieren." In its second act, its female lead tells her English chambermaid Blonde that she's willing to suffer unimaginable torture to avoid sleeping with another of its characters in the aria "Märtern aller Arten." This opera incorporates percussion instruments such as the bass drum, the triangle, and cymbals in its overture, and ends with a ruler freeing its main characters even after learning that one of them is the son of his enemy Lostadatos. Throughout this opera, Pedrillo helps Belmonte attempt to reunite with his lover Konstanze, who is held captive by Osmin in the title location. For 10 points, name this comic opera by Mozart, which is set in the Pasha Selim's harem.

ANSWER: *The **Abduction from the Seraglio*** [or *Die **Entführung aus dem Serail***]

8. This economist wrote an article comparing the poverty caused by poorly chosen institutions and policies to "big bills left on the sidewalk." He argued that autocratic governments tend to have higher taxes than democracies in his 1993 paper "Dictatorship, democracy, and development," which begins by explaining his distinction between roving and stationary bandits. This economist blamed "distributional coalitions" for causing "institutional sclerosis" and suppressing economic growth in peaceful democracies in his book *The Rise and Decline of Nations*. In a book first published in 1965, he showed that public policy is subject to the free rider problem because self-interested individuals need incentives or sanctions to act in order to achieve common interests. For 10 points, name this American economist, the author of *The Logic of Collective Action*.

ANSWER: Mancur **Olson**

9. This man quelled one revolt against his power by inviting his rivals to negotiate, only to have them imprisoned and strangled in the castle of Senigallia. Late in life, this leader served as a commander for King John III of Navarre in Spain, as this man's capture by his former subordinate Gian Paolo Baglioni resulted in the loss of his possessions. At the height of his power, this man was assisted by the condottieri Vietellozzo Vitelli and the Orsini brothers. Though he became a bishop at age 16, this opponent of the Colonna family became the first known person to resign from being a cardinal. This man engineered the election of Pope Pius III, and may have attained his first command by drowning his brother Juan. This man's ambitions were foiled when Cardinal della Rovere became the "warrior pope" – Julius II. For 10 points, name this man who served as the alleged inspiration for Machiavelli's Prince, the son of Pope Alexander VI and brother of Lucretia.

ANSWER: Cesare Borgia [prompt on Borgia]

10. Bruce and Sandra Tanner were major critics of this religious movement during the 20th Century. Other critics of this religious movement forged the White Salamander letter in an effort to discredit its leader. The Anthon Transcript is an important primary source from the founding of this religious movement, whose early leaders preached the doctrine of Blood Atonement. E.D. Howe viciously attacked this religious movement in a book titled "[*This Movement*] *Unvailed*", in which he linked this movement to the writings of Samuel Spaulding. This movement may have been influenced by Ethan Smith, whose book *View of the Hebrews* argued that the Ten Lost Tribes of Israel migrated to the New World. For 10 points, name this religious movement based on the Golden Plates found by Joseph Smith.

ANSWER: Mormonism [accept: Latter Day Saints Movement; LDS]

11. MDL uses a parity descriptor instead of some of this system's rules. This system is implemented in the SMILES specification with the use of forward slashes, back slashes and at marks. In this system, anomers are distinguished by alpha and beta. Multiple bonds are considered as the equivalent number of single bonded atoms. This system set forth in the Buergenstock Declaration depends only on absolute configuration and does not account for optical rotation. It also includes the conventions for labeling alkene systems as entgegen or zusammen. This system prioritizes substituents with higher atomic numbers, and assigns each stereocenter as either R or S. For 10 points, name this set of triply-eponymous rules for naming stereoisomers.

ANSWER: Cahn-Ingold-Prelog rules or CIP (accept R/S rules until mentioned)

12. This instrument shares a solo with an English horn over soft strings in Aaron Copland's *Quiet City*. Three of these instruments introduce the song "We have built a stately house" in Brahms' *Academic Festival Overture*. The second movement of Respighi's *Pines of Rome* features an offstage solo for this instrument, which uses the high clarino register in J. S. Bach's second Brandenburg concerto, where it plays the opening solo of the third movement. In a composition by Charles Ives, this instrument poses *The Unanswered Question*. The funeral march that opens Mahler's fifth symphony begins with a solo for this instrument. Joseph Haydn wrote an E flat major concerto for this instrument, which is played by Wynton Marsalis. For 10 points, name this brass instrument for which Jeremiah Clarke composed a "voluntary."

ANSWER: trumpets

13. Iolanda Fleming was the first woman to serve as a governor in this country. It's not in the Middle East, but via the Treaty of Petropolis, this country gained the territory of Acre. Three different monks, each named John Maria, led rebel forces during this nation's Contestado War. During the mid-20th century, this nation's major cities were redesigned by the urban planner Alfred Agache and its schools were reformed under the policy of New Professionalism. The ANL, a left-wing guerilla movement, organized this nation's rural poor, called the tenentes, and was led by Luis Prestes. One leader of this country was brought down by the Rua Tonelero crisis, where he was implicated in the attempted assassination of his rival and was driven to commit suicide. The preacher Antonio the Counselor led another rebellion in this country, whose major politicians have included Carlos Lacerda and Juscelino Kubitschek. For 10 points, name this nation once ruled by Getulio Vargas.

ANSWER: **Brazil**

14. In 2002, Huw Price established a center for the study of this concept at the University of Sydney. A form of modal logic whose operators reflect various aspects of this phenomenon was developed by Arthur Prior. Peter van Inwagen called himself a "threeist" in a paper that attempted to establish a theory of identity relative to this phenomenon via a thought experiment involving a "flatlander" version of Descartes. Section II of the *Critique of Pure Reason*, which is dedicated to this concept, calls it "nothing else than the form of the internal sense," rather than any "determination of outward phenomena," as well as "the formal condition *a priori* of all phenomena whatsoever." A famous argument about this phenomenon divides it into an A-series and a B-series, and argues that although the A-series is necessary for it to exist, the existence of the A-series leads to a contradiction, and therefore this phenomenon is illusory. For 10 points, identify this phenomenon which does not exist according to an argument by John McTaggart.

ANSWER: **time**

15. A 2010 task force created by President Obama to address this issue included former Republican Senate leader Bill Frist and Newark mayor Cory Booker as honorary vice-chairs. Republican Governor Phil Bryant of Mississippi recently signed a controversial law banning municipalities from making regulations to address this issue. Last month, a study concluded that, contrary to previous thought, breast-feeding does not reduce a child's risk of developing this condition. The Brigham and Women's Hospital in Boston recently sparked controversy because it received a \$1.5 million federal grant to study why this condition was common in lesbians. Milton Tingling is a judge who recently struck down one law designed to combat this condition: that law set a cap of 16 ounces and was promoted by Michael Bloomberg. For 10 points, name this condition marked by being seriously overweight.

ANSWER: **obesity** [generously prompt on anything related to eating/drinking things]

16. Susan Howe analyzed this poem's similarity to "Childe Harold to the Dark Tower Came" in the second half of a book named for its author. The speaker of this poem compares the "cordial light" of her "smile" to a "Vesuvian face" which "lets its pleasure through." Its speaker boasts of providing more safety at night than the "Eider-Duck's Deep Pillow," and possesses a "yellow eye" and an "emphatic thumb." Its narrator observes that the "Mountains straight reply" when she speaks for her master, and ends the poem by declaring "I have but the power to kill / without the power to die." The speaker of this poem existed "in corners" until being carried away by an owner to "roam in Sovereign woods" and "hunt the doe." For 10 points, name this poem by Emily Dickinson which compares a woman to a powerful weapon.

ANSWER: **"My Life had stood--a Loaded Gun"** [or Fr **764**; or J **754**]

17. For sufficiently low energies, this behavior results in a hyperbolic image profile, but when the particles involved have spin, the image produced is skewed or bifurcated according to the Sherman function. In center-of-mass coordinates, this process has a classical differential cross section proportional to the fourth power of the cosecant of the axial half-angle, but that expression suffers from an infrared divergence in free space. The radius and Z-number of the targets in this process can be estimated as the minimum observed impact parameter and maximum energy loss, especially when the deflection is very large. This low-energy limit of both Mott and deep inelastic scattering may thus be used to determine nuclear composition in a namesake backscattering probe. For 10 points, name this scattering of charged particles by the Coulomb potential of the nucleus, which was used to infer the existence of the nucleus.

ANSWER: Rutherford scattering [prompt on Coulomb scattering]

18. While attending boarding school in Philadelphia, this man lived in the house of founding father Robert Morris, who became his legal guardian when this man's father died. When this man was a Governor, the Jefferson-Lemen Compact blocked his attempts to legalize slavery by funneling money to abolitionist churches. This man served as a congressional delegate and authored a namesake land bill that created the territories of Ohio and Indiana. He earned the nickname "Farmer of North Bend" when he retired to agriculture after being stripped of his post as John Quincy Adams's ambassador to Gran Colombia, though his opponents dubbed him "Granny." In 1836, this man received 36% of the popular vote, despite only appearing on ballots in the north. John J. Crittenden and Daniel Webster served in this man's cabinet but resigned under his successor. For 10 points, name this man who served as President for 30 days.

ANSWER: William Henry Harrison [prompt on Harrison]

19. The female figure dressed in black and white in this work was modeled by Mary Hodgkinson, who also was the model for the artist's earlier painting, *Isabella*. A single red flower and a herd of sheep can be seen through an open door in the left-hand side of this work. This painting was originally exhibited untitled with a verse from Zechariah beginning "And one shall say unto him, What are these wounds in thine hands?" A small drop of blood can be seen on the left foot of the title figure, who is brought a bowl of water from a shirtless child to bathe his wound. A saw and a ladder with a white dove resting on it form two thirds of a triangle in the background of this work, and several wood shards litter the floor. One critic attacked the "dislocated throat" of its kneeling Mary and called the title figure a "blubbering, red-haired boy"; that critic was Charles Dickens. For 10 points, name this painting of a young Jesus by John Everett Millais.

ANSWER: Christ in the House of His Parents [or Christ in the Carpenter's Shop; or And one shall say unto him, What are these wounds in thine hands? Then he shall answer, Those which I was wounded in the house of my friends (*Zechariah, 13.6*)]

20. The protagonist of this novel ponders "wasted effort" while watching insects struggle and die on the floor of his empty room. In its emotional climax, this novel's main character angers his lover by calling her a "good woman" instead of a "good girl." The end of this novel repeatedly alludes to the Tanabata legend, as its main character gazes up at the Milky Way and seems to become drawn into its depths. One character in this novel rescues a woman from a burning cocoon warehouse after it catches on fire during a film. In an early scene, the protagonist becomes enraptured with the reflection of a girl on a window silhouetted by a passing landscape on the way to an *onsen*. Celebrated for its opening lines, which begin "the train came out of the long tunnel," it focuses on the protagonist's relationships with Yoko and the geisha Komako. For 10 points, name this novel by Yasunari Kawabata about Shimamura's trip to the title remote location.

ANSWER: Snow Country [or Yakiguni]

Bonuses

1. The Kimbell Art Museum contains this artist's *The Card-Sharps with the Ace of Clubs*, and a man with a vulgarly open mouth plays the title instrument in his *The Hurdy-Gurdy Player*. For 10 points each:

[10] Identify this French artist greatly influenced by Caravaggio, best known for chiaroscuro works like *The Newborn Christ*.

ANSWER: Georges de **La Tour**

[10] This figure is being treated by Saint Irene, who holds a large torch in a Georges de La Tour painting. This saint is bound to a tree and has several arrows sticking into him in an El Greco painting.

ANSWER: Saint **Sebastian**

[10] Like Georges de La Tour, this Neoclassical artist painted a version of The Dream of Saint Joseph. Johann Winckelmann lauded his *Parnassus* fresco for the Villa Albani, and this man painted the *Apotheosis of Hercules* for a palace in Madrid.

ANSWER: Anton Raphael **Mengs** [or Anton Raffael **Mengs**]

2. This essay praises Borges for making art out of the “felt ultimacies” of the 20th century. For 10 points each:

[10] Name this 1967 essay published in *The Atlantic*, which argues that the narrative forms of the novel have been “used up.” Its author later responded to it in an essay praising postmodern “replenishment.”

ANSWER: “The **Literature of Exhaustion**”

[10] “The Literature of Exhaustion” was written by this American author, whose sprawling postmodern novels include *The Sot-Weed Factor* and *Giles Goat-Boy*.

ANSWER: John **Barth**

[10] Critics often emphasize the importance of this term coined by Julia Kristeva when discussing postmodern literature. It refers to the ways that works of literature borrow words and ideas from one another.

ANSWER: **intertextuality**

3. Members expelled from this meeting went on to found the St. Imier Congress. For 10 points each:

[10] Name this series of meetings from 1866 – 1872, which sought to unify the left-wing radicals of Europe, but instead led to a break between Marx and Bakunin.

ANSWER: **First International** [accept: **International Workingmen's Association; IWA**]

[10] The anarchist faction at the First International was given this name, a reference to the fact that many members lived in Switzerland. Peter Kropotkin was highly influenced by this group.

ANSWER: **Jura** Federation

[10] The most significant accomplishment of the First International was its endorsement of this proposal, which became a major demand by trade unions and socialists in the early 20th century. It was adopted in France by the Popular Front government of Leon Blum, and in other countries as the result of a General Strike.

ANSWER: **8-hour day** or **40-hour week**

4. According to this theorem, when an integrable Hamiltonian system is subjected to a nonlinear perturbation, the non-resonant invariant orbits from the initial system persist in the phase space of the perturbed system. For 10 points each:

[10] Name this theorem, which proves, for example, that elliptical orbits in the planar three-body problem are stable.

ANSWER: the Kolmogorov–Arnold–Moser theorem

[10] The persistent orbits in the KAM theorem have this property such that their proper variation in time has at least two incommensurable frequencies.

ANSWER: quasiperiodic [or quasiperiodicity]

[10] Quasiperiodic systems often exhibit this sort of behavior, also typified by the existence pathological sensitivity to initial conditions and fractal attractors.

ANSWER: chaos [or chaotic motion]

5. Hart Blanton and Philip Tetlock have published prominent critiques of this psychological test. For 10 points each:

[10] Name this test developed by Greenwald and Banaji, which asks people to quickly pair words of different categories together. It often shows that people prefer white faces.

ANSWER: Implicit Association Test [or the IAT]

[10] Anthony Greenwald was a lab assistant to Elliot Aronson, who is best known for his research on this feeling of discomfort when a person holds two or more conflicting ideas at once.

ANSWER: cognitive dissonance

[10] The IAT measures the strength of implicit associations using this variable, which is popular in cognitive psychology studies. It is also measured in Sternberg's memory scanning and mental rotation tasks.

ANSWER: reaction time [accept obvious equivalents like how long it takes you to react to something]

6. This book recounts how its author had to keep rewriting his novel *Farewell to the Sea* from scratch after its manuscripts were destroyed by the government multiple times. For 10 points each:

[10] Name this memoir, which describes how its author was interred in the brutal El Morro prison for being homosexual. It also describes its author's friendship with Virgilio Pinera and its author's escape to New York, where he died of AIDS in 1990.

ANSWER: Before Night Falls

[10] This book by Randy Shilts traces the beginning of the AIDS epidemic in the United States, and attacks public health officials and the Reagan administration for ignoring the scope of the crisis.

ANSWER: And the Band Played On

[10] In *Before Night Falls*, Reinaldo Arenas roundly condemns the Communist rule of this country, whose independence was earlier advocated by Jose Marti.

ANSWER: Cuba

7. The diplomats Andrew of Longjumeau and John the Hungarian led missions dedicated to forming this alliance. For 10 points each:

[10] Name this never-finalized alliance between a European nation led by the son of Blanche of Castille, and an empire led by Guyuk.

ANSWER: **French-Mongol** alliance

[10] Louis IX attempted to coordinate his attacks with the Il-Khan leader Abaqa during this Crusade, which led to the capture of Tunis in North Africa.

ANSWER: **Eighth** Crusade

[10] The Il-Khans sent emissaries to this 1274 church council called by Gregory X, where plans were drawn up for a Tenth Crusade where the Mongols would cooperate with a European force led by the Kingdom of Aragon.

Gregory's death two years later ended planning, and the crusade never happened.

ANSWER: (Second) Council of **Lyons**

8. Commentary on this body of law is known as the Gemara. For 10 points each:

[10] Name this compiled Jewish oral law, originally taught by scholars called Tannaim.

ANSWER: **Mishnah**

[10] Together, the Mishnah and the Gemara make up the Talmud, of which there are two versions, one from Jerusalem and one from this city, home to the Rav.

ANSWER: **Babylon** [or **Bavil**]

[10] This term is given to Jewish scholars who compiled the Gemara, which consists of their commentary on Jewish oral law.

ANSWER: **Amoraim** [or **Amora**]

9. This equation adds attractive and repulsive terms to the ideal gas law which are calculated based on a substance's properties at the critical point. For 10 points each:

Name this equation of state developed by a Dutch physicist.

ANSWER: **van der Waals** or **VdW** equation of state

[10] This equation developed by two Shell Oil chemists made adjustments to the van der Waals parameters. A modification by Soave made it more suitable for liquid-phase calculations .

ANSWER: **Redlich-Kwong** equation of state

[10] This quantity symbolized with a lowercase omega shows up in the Soave-Redlich-Kwong and Peng-Robinson equations. It is a measure of the non-spherical nature of molecules.

ANSWER: **acentric** factor or **Pitzer** factor

10. This composer mostly stopped writing music after 1926, when he wrote the tone poem *Tapiola*. For 10 points each:

[10] Name this Finnish composer, who used the *Kalevala* as the basis for his *Lemminkäinen Suite*, which includes *The Swan of Tuonela*.

ANSWER: Jean **Sibelius**

[10] This symphony by Sibelius was composed in 1907, and begins with a theme played by the cellos and double basses. It was the first of his symphonies to contain three instead of four movements, and broke sharply from the romanticism of his previous symphonies.

ANSWER: Symphony no. **3** in C major

[10] Sibelius's only concerto was written for this instrument, which was played by David Oistrakh. It plays a solo in the "Meditation" from Massenet's opera *Thais*.

ANSWER: **violins**

11. In a recent case in Brazil, this crime was committed against an American tourist who had been abducted from a public transit van. For 10 points each:

[10] Name this crime, which has also recently made headlines in India.

ANSWER: **rape** [or gang-**rape**]

[10] Talking about rape proved troublesome for this Republican Senate candidate in Indiana, who lost in 2012 after calling babies conceived from rape “a gift from God.”

ANSWER: Richard **Mourdock**

[10] Earlier this week, a student at this American university sparked outrage when he incorporated a sign saying “You Deserve Rape” into his street preaching. He was criticizing campus coeds for dressing provocatively.

ANSWER: University of **Arizona**

12. Its normal role is to help stabilize neuronal microtubules. For 10 points each:

[10] Name this protein that when hyperphosphorylated, aggregates into insoluble tangles in Alzheimer's patients.

ANSWER: **Tau** protein

[10] Tau protein is also sometimes seen as part of these inclusions made of aggregated protein seen in Parkinson's disease, Pick's disease, and their namesake dementia.

ANSWER: **Lewy bodies**

[10] This is the primary protein seen in Lewy bodies. A protein of unknown function, mutations of the gene that codes for it are common in familial forms of Parkinson's.

ANSWER: **alpha-synuclein** protein

13. One member of this group, Arjay Miller, eventually became the dean of Stanford's business school, and they were initially led by Tex Thornton. For 10 points each:

[10] Name this group of ten US Army Air Corps veterans who were hired in 1948 to revolutionize the Ford Motor Company by applying statistical planning and management control.

ANSWER: **whiz kids**

[10] The most prominent Whiz Kid was this man, who became President of Ford in 1960, but left shortly thereafter to be the Secretary of Defense for John F. Kennedy.

ANSWER: Colin **McNamara**

[10] During World War II, McNamara worked for Curtis LeMay, who during the Cold War served as the colorful commander of this branch of the US Air Force, in charge of nuclear bombers and ICBMs.

ANSWER: **Strategic Air Command** [or **SAC**]

14. For many years, this author was the chief speechwriter for Willy Brandt. For 10 points each:

[10] Name this German author, whose Danzig trilogy begins with his novel about Oskar Matzerath, *The Tin Drum*.

ANSWER: Gunter **Grass**

[10] Grass was a member of this informal post-World War II German literary association, which also included writers like Ingeborg Bachmann, Peter Handke, and Paul Celan. It took its name from the year it was founded.

ANSWER: **Group 47** [or **Gruppe 47**]

[10] Another participant in Group 47 was this Polish Jew, who evaded the Nazis during World War II by hiding outside Warsaw in a cellar. He hosted the TV show *Literary Quartet* from 1988 to 2002, and is such an influential literary critic in Germany that he's frequently called Germany's “pope of literature.”

ANSWER: Marcel **Reich-Ranicki**

15. In one story about this figure, he ventures to the rising and setting places of the Sun, in the former of which he erects a wall of iron and copper to pen Gog and Magog. For 10 points each:

[10] Name this person usually identified with the Koranic Dhul-Qarnayn. He claimed Zeus-Amon as his father after visiting the Oracle of Siwa.

ANSWER: Alexander the Great [or Alexander III of Macedon; or Aléxandros ho Mégas]

[10] The story of Dhul-Qarnayn in the Sura of the Cave is shared with the *Alexander Romance*, a work of mythology attributed to this person. The real-life figure of this name was Alexander's court historian until he died in prison, mourned by his friend Theophrastus.

ANSWER: Pseudo-Callisthenes

[10] Alexander also appears in this work of mythology as the killer of Darab, son of Kai Bahman.

ANSWER: *The* Shahnameh [or Book of Kings]

16. Identify the following about the career of photorealist artist Chuck Close, for 10 points each.

[10] Close called this woman "perhaps the most important artist" of the 1980s, and painted her wearing a multicolored shawl. She is perhaps best known for her *Untitled Film Stills*.

ANSWER: Cindy Sherman [or Cynthia Morris Sherman]

[10] This other photorealist used materials like resin and fiberglass to create works like *Young Shopper*, *Tourists* and one of a black janitorial worker, *Queenie II*.

ANSWER: Duane Hanson

[10] Close is also sometimes grouped with this art movement, whose sculptural proponents included Frank Stella and Carl Andre. Philip Glass is often grouped in the musical school of this name.

ANSWER: Minimalism [or Minimalist]

17. Misses within this entity result in expensive tree walks. Each line in this cache contains a single page table entry. For 10 points each:

[10] Identify this cache within the memory management unit.

ANSWER: translation lookaside buffer [prompt on partial answers]

[10] Translation lookaside buffers are used to convert addresses of this type to physical addresses. This word also names a type of machine that runs Java bytecode.

ANSWER: virtual [or virtual addresses; or virtual machine]

[10] When one of these events occur, a victim page is selected by the kernel and expelled from physical memory. These events happen due to physical memory misses and are thus the opposite of hits.

ANSWER: page faults

18. As a result of this conflict, the exact shade of blue used in the national flag changed several times during the 19th century, and remains a minor political issue to this day. For 10 points each:

[10] Name this war that pitted the *Unitarios* against the *Federales* for control of a certain South American nation, sparked by disputes over the distribution of customs revenue from a major port city.

ANSWER: Argentine Civil War

[10] Until his defeat at the 1852 Battle of Caseros, this *federalista* served as dictator of Argentina, leveraging his position as Governor of Buenos Aires province.

ANSWER: Juan Manuel de Rosas

[10] The Argentine Civil War is traditionally said to have ended after this 1861 battle, won by Unitario leader Bartolome Mitre, who was elected president the next year.

ANSWER: Battle of Pavon

19. Rare secular examples of these plays include Nicholas de la Chesnaye's attack on gluttony, *Condemnation des banquets*. For 10 points each:

[10] Name this genre of plays popular in the fifteenth and sixteenth centuries. In these plays, an allegorical figure, such as Everyman, encounters personifications of abstract qualities in order to teach the audience a lesson.

ANSWER: morality plays [or moralties; or moral interludes]

[10] Morality plays frequently included this stock character, a comically subversive tempter who confided his nefarious plans to the audience. Shakespeare used him as the basis for villains like Richard III and Iago.

ANSWER: the Vice

[10] This advisor to Henry VIII wrote one of the finest English morality plays, *Magnificence*. He attacked Thomas Wolsey in poems such as "Speke, Parrot" and "Why Come Ye Nat to Courte," and is best known for his witty namesake style of verse, which consists of short, irregular lines and repeated rhymes.

ANSWER: John Skelton

20. This philosopher argued that "to see something as art requires... an atmosphere of artistic theory," in his seminal paper, "The Artworld." For 10 points each:

[10] Identify this longtime Columbia philosopher of art, who argued that works like "a square of primed canvas" are about "their aboutness, and their content is the concept of art," in his "The Transfiguration of the Commonplace."

ANSWER: Arthur Danto

[10] This philosopher developed an aesthetic theory around what he called "symbol systems" which he combined with "modes of reference" in his seminal work on aesthetics, *Languages of Art*.

ANSWER: Nelson Goodman

[10] In his 1983 presidential address to the American Philosophical Association, Danto advocated an approach to philosophy that treated it more like this type of human activity, examples of which given by Danto include *Don Quixote* and the poetry of Wordsworth.

ANSWER: literature [prompt on "writing"]