

1. One of these figures has a name translating to "Mother Whose Children are the Fish," as her progeny are uncountable. Another of these figures once walked through a town wearing a half-red, half-black hat to confuse villagers. Devotees of the religion that venerates these figures stand on their toes or rise up at the mention of one of them, who presides over the drumming ceremonies during which these figures may mount priests. In addition to Yemaya and the one who shares lightning and fire with Oya, Shango, these figures that are venerated in Umbanda and Candomble. For 10 points, identify these emissaries of Olodumare that are revered in Santeria.

ANSWER: **Orishas** [or **Orixas**]

040-09-12-20102

2. In this novel, Pervading Fragrance performs the play of cloud and rain, and the Bottle-gourd Temple is burned down by a careless monk. Much of this novel is set at pleasure grounds known as the Takuanyuan. Madame Shih is the matriarch of the central family of this novel, which is ruined by the greed of Phoenix. At the beginning of this novel, a flower is reincarnated as Black Jade, who dies of grief after its main character is tricked into marrying Precious Virtue. This novel describes the interactions of the twelve beautiful women of Jinling with Pao-yu, who is born with a jade tablet in his mouth. One of the four great Chinese classical novels, for 10 points, name this novel by Cao Xuequin about the decline of the Jia family.

ANSWER: ***Dream of the Red Chamber*** [or *The Story of the Stone*; or ***Hongloumeng***]

030-09-12-20103

3. One leader of this uprising was arrested after shooting William Horsfall in the groin. Another leader was investigated by Oliver the Spy, who stopped its Pentrich Revolution. Like the Swing Riots, this movement was inspired by a mythological king or general. Centered on Nottingham, this movement that arose during the economic strain of the Napoleonic wars died after its leaders were deported to Australia or executed under the Frame Breaking Act. For 10 points, name this movement of British textile workers who probably didn't hate all technology.

ANSWER: **Luddites**

020-09-12-20104

4. A short story by this author is narrated by an algebra teacher whose daughter, Grace, has just died of polio. That narrator's drug addict brother, the title character, comes to stay with him and plays in Creole's jazz band. Another short story by this author ends with Jesse only being able to have sex with his wife Grace by remembering seeing a man's testicles cut off and his body burnt at a lynching. This author of "Sonny's Blues" and "Going to Meet the Man" wrote a novel whose protagonist wrestles with a handsome teenager named Elisha. That novel tells of the spiritual encounter of young Harlem resident John, whose abusive father is a church deacon named Gabriel. For 10 points, name this African-American author of *Go Tell It on the Mountain*.

ANSWER: James **Baldwin**

052-09-12-20105

5. Leopold Godowsky composed fifty-three studies based on these pieces. In the first and eighth of these pieces, the right hand plays extensive arpeggios that require the pianist to engage the shoulder and arm muscles, unlike previous works in the same genre that focused on the fingers and wrists. The right hand plays brilliant triplets in the fifth of these pieces, which is nicknamed because almost every note is an accidental. The second set of these works form the Opus twenty-five of their composer, and include pieces nicknamed the "Wrong Note," "Butterfly," and "Winter Wind." These pieces were the first major example of their form not to be merely didactic, and include works known as "Black Key" and "Revolutionary." For 10 points, name these studies for the piano written by the composer of the "Heroic" Polonaise and the Minute Waltz.

ANSWER: the etudes of Frederic Chopin [prompt on partial answer]

004-09-12-20106

6. This book was published in response to the success of a similar book by John Evelyn. The narrator of this book explicitly describes his affair with Deborah Willet, and is married to Elizabeth St. Michel. It was written in a system developed by Thomas Shelton, and describes General Harrison "looking as cheerful as any man could look" after being hanged, drawn, and quartered. This book details its author's time on the Navy Board during the Second Anglo-Dutch War, and contains firsthand accounts of the Great Plague and Great Fire of London. For 10 points, name this account of the years 1660 to 1669, the primary personal journal about daily life during the English Restoration.

ANSWER: the diary of Samuel Pepys (PEEPS)

004-09-12-20107

7. The Evans balance is used to measure this quantity. In MRI, the BOLD venography technique exploits differences in this property among tissues, oxygenated blood, and deoxygenated blood. Often separate static and frequency-dependent values of this are reported. In an isotropic material, the permeability is equal to the vacuum permeability times the quantity one plus this value. It is negative for diamagnetic objects. It can be obtained by dividing the magnetization by the applied magnetic field and is symbolized chi. For 10 points, name this measurement of a material's magnetization response to a magnetic field.

ANSWER: the magnetic susceptibility [prompt on chi; prompt on susceptibility]

001-09-12-20108

8. One battle at this site saw the losing commander court-martial Fitz John Porter for disobedience, after which the loser at a battle here was reassigned to fight the Dakota War in Minnesota. A representative from New York, Alfred Ely, was a civilian captured at a battle at this site. One battle here saw Bernard Bee coin a famous nickname. The retreat after the first battle of this site engulfed a group of Washington, D.C., civilians who had been picnicking while watching the battle. For 10 points, name this location in Virginia where the first major battle of the Civil War was fought and which the Confederates dubbed First Manassas.

ANSWER: Bull Run [or Manassas early]

026-09-12-20109

9. Sudden changes in these phenomena can result from seiches created by raising or lowering of atmospheric pressure. A sudden increase in them can be caused by propagation of a bore. During still periods, they are known as slack. Increased speeds are seen in their Perigean variety. Stronger and weaker versions of these phenomena are called spring and neap, respectively. One zone created by changes in them is called the littoral zone. For 10 points, name these phenomena caused by the Sun's and the Moon's gravitational forces on the Earth's oceans: changes in height of a body of water.

ANSWER: tides

023-09-12-20110

10. This location's namesake is credited with coining the phrase "Every man is the architect of his own fortune" and with inventing the letter Z, as well as having an epithet meaning "blind." In 1776, Gavin Hamilton excavated a building on this site, discovering the "Braschi Venus" sculpture, among others. The need for this landmark was demonstrated after the Battle of Caudine Forks during the Second Samnite War, which revealed the difficulty a certain republic had in transferring supplies and personnel. The crucifixion of Spartacus and his followers occurred at this location. Referred to by Statius as "the queen of the long roads," for 10 points, name this landmark which stretched from Rome to Apulia, the most important Roman road.

ANSWER: Appian Way [or Via Appia; accept Aqua Appia until second sentence]

052-09-12-20111

11. The roof of this structure has grass growing in the widely spaced joints created by sand covered with concrete. The aqua-tiled bath tub in this structure's master bedroom stands in contrast to the utilitarian simplicity of its kitchen. This structure's window-lined facade is separated from its load-bearing columns, called pilotes. This structure's sun room overlooks a ramp that provides ventilation. Its reinforced-concrete construction enables its "free plan," which was crucial to its designer's concept of a "Machine for Living." It exemplifies the "Five Points" of its designer, who placed this structure in Poissy, France. For 10 points, name this International Style residence, designed by Le Corbusier.

ANSWER: the Villa Savoye

020-09-12-20112

12. One argument in this work contends that Western philosophy is a sort of "metaphysics of presence." Later, this work notes that the sound of "bat" is different from the sound of "cat," after a discussion of the "transcendental signified" in the work of Saussure. Translated into English by Gayatri Spivak, this work notes that in binary opposites like day and night, the first is always the better, and applies that to the binary of speech and writing. Introducing the notion of *différance*, for 10 points, name this magnum opus of Jacques Derrida.

ANSWER: Of Grammatology [or De la Grammatologie]

020-09-12-20113

13. The speaker of this poem warns that "The lights must never go out, the music must always play," else we risk revealing that we are "Children afraid of the night." In its second stanza, the speaker claims that like the schoolchildren, he knows the source of the "psychopathic god," because "those to whom evil is done do evil in return." This poem's eighth stanza, which was restored posthumously after being removed by its author, states "All I have is a voice" and concludes "We must love one another or die." In its opening lines, "the clever hopes expire of a low and dishonest decade" as the speaker sits "in one of the dives on Fifty-second Street." For 10 points, name this W. H. Auden poem named for the date of the German invasion of Poland.

ANSWER: "September 1, 1939"

015-09-12-20114

14. The world's largest factory for barrel cheese is located in this state, in the city of Gooding. The highest peak in this state contains a portion named the "Chickenout Ridge" and is located in the Lost River Range. One story about this state's name says that it was coined by a lobbyist named George Willing, who claimed it to be a Shoshone word. This state saw the first ever chairlift at a ski resort, installed at the Sun Valley resort. That resort is near a city where Ernest Hemingway shot himself, Ketchum. This state is home to Borah Peak and its capital may have been named by a Frenchman's exuberant exclamation "The woods! The woods!" For 10 points, name this "Gem State" with capital at Boise.

ANSWER: Idaho

052-09-12-20115

15. A.C. Pigou attacked this book's lack of distinction between "directing particular people" and "determining numbers of people." This work argues that propaganda tries to destroy morals because they are the basis of truth in its chapter "The End of Truth." One of its chapters distinguishes between the limited and absolute kinds of security, and this book's chapter "Who, Whom" attacks vague definitions of "fairness." Its chapter "The Great Utopia" analyzes socialism in France as part of its thesis that fascism developed at least partially from socialism. For 10 points, name this work which argues that central planning inevitably leads to loss of freedom, a work of Friedrich Hayek.

ANSWER: **The Road to Serfdom**

040-09-12-20116

16. The sum of a perturbation and the Hartree-Fock operators to equal the Hamiltonian of one type of these entities is the result of Moller-Plesset theory, and the coupled cluster method can also be used to calculate that type. The Jahn-Teller effect prevents degeneracy in these, and the LCAO approximation simplifies calculations involving them. Overlap of two lobes of these creates pi bonds, and higher-energy molecular ones are considered "antibonding." For 10 points, name these wavefunction solutions with atomic s, p, d, and f types.

ANSWER: **orbitals** [accept **molecular orbitals** before "one type of these"]

032-09-12-20117

17. The aconite plant was formed after this figure's saliva hit rocky ground. In the *Aeneid*, the Cumaean Sybil threw this creature a cake laced with drugs, enabling Aeneas to visit Anchises. Auxiliary features of this creature included a snake's tail and a mane of serpents. King Eurystheus cowered inside a jar upon seeing this brother of Orthrus, who could not pierce the skin of the Nemean Lion, enabling the hero wearing that skin to subdue it with his bare hands. The twelfth labor of Heracles was to capture this creature alive. For 10 points, name this guardian of the underworld in Greek and Roman mythology, a dog usually depicted with three heads.

ANSWER: **Cerberus**

004-09-12-20118

18. Proteins targeted to this structure have a serine-lysine-leucine sequence on their C-terminus, and they are absent in rhizomelic chondrodysplasia punctata. One disease caused by problems in this structure occurs after an accumulation of phytanic acid in myelin sheaths. Another biogenesis disorder caused by problems with this structure comes from defects in the gene PEX5 and results in the build up of very-long-chain fatty acids. Those disorders are Refsum's disease and Zellweger syndrome. For 10 points, name this organelle that uses catalase to convert hydrogen peroxide into water.

ANSWER: **peroxisomes**

023-09-12-20119

19. At one time, this group was thought to have been bankrolled by MGM Studios. One part of this group was known as the "Khaki Shirts." Charles Coughlin donated five thousand dollars to this group with the stipulation that it "keep clear of all communist leaders." Pelham Glassford twice reinstated Walter Waters as the leader of this group, which Gladwin Bland described as "an immense hobo jungle." This group was evicted from tents in Anacostia Flats by forces under Douglas MacArthur. For 10 points, name this group that marched on Washington in 1931 demanding immediate payment of insurance certificates issued for their service in World War I.

ANSWER: **Bonus Army** [or **Bonus Expeditionary Force**]

003-09-12-20120

20. The artist of this painting relied on a chronicle by Hartmann Schedel, causing this painting to portray the island of Cyprus next to the Nile delta. This painting's sky symbolically includes both a crescent moon in the upper left corner and a rising sun in the right background. One of its figures retreats on a chariot pulled by three horses, and is pursued by the main figure on horseback carrying a long lance. The top half of this painting depicts a swirling sky, while the bottom half depicts a huge crowd of soldiers holding spears. This painting identifies the title event with a description in Latin on an enormous banner in the sky. For 10 points, name this massive painting that portrays a victory for Alexander the Great over Darius III, created by Albrecht Altdorfer.

ANSWER: The **Battle of Issus** [or The **Battle of Alexander at Issus**; or The **Battle at Issus**]

022-09-12-20121

21. This pope issued a bull that forbade Latin clergy to ordain Greek clergy or pray with Greek clergy and in Greek churches. He reopened the Fifth Lateran Council in order to complete the Pisan schism, and he formed alliances with both Francis I and Ferdinand II. He summoned a certain Protestant theologian to appear before the papal court, and he radically increased the sale of indulgences to raise funds for a new St. Peter's Basilica. For 10 points, name this pope who objected to Martin Luther posting his 95 Theses.

ANSWER: Pope **Leo X** [or **Giovanni** di Lorenzo di **Medici**]

032-09-12-20122

22. One work by this author is narrated by Fulvius, who describes its title figures' quest to build the City of the Sun under the command of Spartacus. Another work by this author ends with Peter parachuting into his home country after leaving Neutralia. In addition to *The Gladiators* and *Arrival and Departure*, this author wrote a work includes prisoners nicknamed Hare-Lip and Rip van Winkle and a party boss known only as Number 1. The protagonist of that novel recalls his betrayal of his secretary Arlova during his interrogation by Gletkin. For 10 points, name this author who described Rubashov, a former Russian revolutionary betrayed by the Soviet Union, in *Darkness at Noon*.

ANSWER: Arthur **Koestler**

059-09-12-20123

23. Uniquely, this associative multilinear operation commutes with similarity transforms and with both parts of Hermitian conjugation. A set of homogeneous, linear algebraic equations can have a non-trivial solution only if the one of these corresponding to the coefficients is zero. Ratios of these give the solutions to inhomogeneous linear algebraic equations through Cramer's rule. If this object is zero, its associated array is singular. This operation maps the square matrices over a set of numbers onto that set, returning an alternating sum of products of the matrix entries. For 10 points, name this operation given for a square matrix a, b, c, d as ad minus bc .

ANSWER: the **determinant**

065-09-12-20124

1. It asserts that anxiety caused by predestination led people to work incredibly hard in order to be assured that they were saved. For 10 points each:

[10] Name this book that argues that the modern economic system has captured society "in a shell as hard as steel" thanks to the namesake Calvinist beliefs.

ANSWER: *The **Protestant Ethic and the Spirit of Capitalism***

[10] This author of *The Protestant Ethic and the Spirit of Capitalism* analyzed bureaucracy in *Economy and Society*.

ANSWER: Max **Weber**

[10] Weber pessimistically believed that society was becoming increasingly dominated by the "purposive" type of this tendency, which leads life to become more predictable and calculable. However, many social scientists now believe that this process is "bounded" due to limits on information and time.

ANSWER: **rationality** [or **rationalization**]

032-09-12-20201

2. The government established by this man was toppled during the 1974 Carnation Revolution. For 10 points each:

[10] Name this man, who established a secret police force known as the PIDE during his rule as dictator from 1932 to 1968.

ANSWER: Antonio de Oliveira **Salazar**

[10] Salazar was a dictator of this European nation. The Estado Novo government in this country was used a model for a government of the same name in Brazil.

ANSWER: **Portugal**

[10] During Salazar's rule, India launched Operation Vijay in 1961 to recapture this small Portuguese territory.

ANSWER: **Goa**

064-09-12-20202

3. This chapter ends by considering that light striking matter without a medium would cause the world to appear like a monumental blank shroud. For 10 points each:

[10] Name this chapter which discusses the terror produced by polar bears, milky fog, and albinos to explain why the title color appalls mankind.

ANSWER: "The **Whiteness of the Whale**"

[10] "The Whiteness of the Whale" is the forty-second chapter of this novel narrated by Ishmael.

ANSWER: ***Moby-Dick: Or, the Whale***

[10] Melville also critiqued the problems of whiteness in this novella, in which Captain Delano's belief that black people are inferior to whites causes him to be deceived by a masquerade orchestrated by Babo.

ANSWER: ***Benito Cereno***

004-09-12-20203

4. The Morse equation approximates this quantity, setting it equal to the van't Hoff factor times the molarity times the universal gas constant times the temperature. For 10 points each:

[10] Name this pressure needed to prevent flow across a semi-permeable membrane.

ANSWER: **osmotic** pressure

[10] Osmotic pressure is one of these properties that depend on the number of particles in solution. They include boiling point elevation.

ANSWER: **colligative** properties

[10] This deviation from osmotic pressure occurs when charged particles fail to distribute evenly across two sides of a membrane.

ANSWER: Gibbs-**Donnan** effect

064-09-12-20204

5. For 10 points each, name these metaphysical poets.

[10] This onetime assistant to Milton warned a woman about "Time's winged chariot hurrying near" in his carpe diem poem "To his Coy Mistress."

ANSWER: Andrew **Marvell**

[10] This poet asked God to "take the gentle path" in "Discipline," but is better remembered for "shape poems" like "Easter Wings" and "The Altar," which are found in his collection *The Temple*.

ANSWER: George **Herbert**

[10] Samuel Johnson coined the term "metaphysical poets" in an essay about the life of this poet. In his lifetime, this poet was extremely popular because of his collection *The Mistress*, although he is more famous today for his elegy "On the Death of Mr. William Hervey" and being the secretary to Queen Henrietta Maria.

ANSWER: Abraham **Cowley**

015-09-12-20205

6. The WMAP project used the cosmic microwave background power spectrum to estimate this value to a precision of 1%. For 10 points each:

[10] Name this value, found by WMAP to be 13.73 billion years.

ANSWER: **age** of the **universe** [accept equivalent]

[10] The age of the universe can be calculated a priori using the Friedmann equation, as long as one knows the values of the density parameters and of this constant.

ANSWER: **Hubble's** constant

[10] The Friedmann equation applies if one assumes the cosmological principle, which states that the universe has the property of homogeneity and this property. Objects with this property look the same in all directions.

ANSWER: **isotropy** [accept word forms like **isotropic**; do not accept or prompt on "anisotropy" or "anisotropic"]

024-09-12-20206

7. Laurence Keitt brandished a pistol to prevent onlookers from stopping this event. For 10 points each:
[10] Name this assault with a gutta-percha weapon that occurred on May 22, 1856. It was depicted in J. L. Magee's political cartoon "Southern Chivalry-Argument versus Clubs."

ANSWER: the **caning** of Senator Charles **Sumner**

[10] Charles Sumner was assaulted by Preston Brooks, a Congressman from this Southern state, which was the first to secede from the Union. The Civil War began after shots were fired on this state's Fort Sumter.

ANSWER: **South Carolina**

[10] South Carolina's Ordinance of Secession was written by Robert Rhett, a leader of this group of Southern pro-slavery extremists. Other leaders of this group included William L. Yancey and Edmund Ruffin.

ANSWER: **Fire-Eaters**

004-09-12-20207

8. Answer the following about indices of refraction, for 10 points each.

[10] This law relates the sines of the angles of incidence and refraction to the indices of refraction for a wave passing through two media.

ANSWER: **Snellius's** law (accept **Descartes'** law)

[10] For two media, the tangent of this angle is given by the ratio of their indices of refraction. When incoherent light is incident on a new medium at this angle, the fields of the reflected and refracted rays will oscillate in perpendicular directions.

ANSWER: **Brewster's** angle

[10] These equations give the fraction of light energy reflected and transmitted when light moves into a new medium as a function of the indices of refraction and angle of incidence.

ANSWER: the **Fresnel** [fruh-NELL] equations

023-09-12-20208

9. This man is last seen drunkenly sleeping with his daughters in a cave. For 10 points each:

[10] Name this figure from the Bible, whose wife is used as an example by Jesus of someone not fully turning their back on sin.

ANSWER: **Lot**

[10] Lot's wife was turned into a pillar of salt when they were fleeing this "city on the plain" destroyed by God for its many sins. Lot lived in this city and tried to protect angels visiting it from homosexual offenders.

ANSWER: **Sodom**

[10] This city, which means "small" or "insignificant" in Hebrew, was where Lot fled to after the destruction of Sodom. Another city on the plain, it was saved by God to serve as a shelter for Lot.

ANSWER: **Zoar** [or **Zoara**]

052-09-12-20209

10. This painting was originally titled *Prayer for the Potato Crop*. For 10 points each:

[10] Name this painting which depicts a farmer and his wife saying a prayer. A pitchfork is sticking out of the ground on the left, and a wheelbarrow stands behind the farmer's wife.

ANSWER: *The **Angelus*** [or *L'**Angelus***]

[10] *The Angelus* was painted by this French realist painter of *The Sower* and *The Gleaners*.

ANSWER: Jean-François **Millet**

[10] Millet was a founding member of this school of French painters, whose other members included Jean-Baptiste Corot [co-ROW] and Théodore Rousseau.

ANSWER: **Barbizon** school

024-09-12-20210

11. Identify these puzzling things from science, for 10 points each.

[10] The ultraviolet catastrophe demonstrates the limitations of this law, which states that radiation from a black body is inversely proportional to the negative fourth power of the wavelength.

ANSWER: **Rayleigh-Jeans** law

[10] Maxwell's Demon is a hypothetical device supposedly capable of breaking this law, which states that heat does not spontaneously flow from a colder object to a hotter object.

ANSWER: **Second Law of Thermodynamics**

[10] Levinthal's paradox, the idea that a protein has essentially an infinite number of ways to fold, appears to be avoided by these proteins which help other proteins fold properly.

ANSWER: **chaperone** proteins

064-09-12-20211

12. This king's former tutor Johannes Vitéz led an unsuccessful revolt against him in 1471. For 10 points each:

[10] Name this son of Janos Hunyadi, who conquered Vienna in 1485 during his war against Holy Roman Emperor Frederick III. He also conquered Styria, Corinthia, and Carniola during his rule, which lasted from 1458 to 1490.

ANSWER: **Matthias Corvinus** [or **Matthias I** Hunyadi; prompt on **Matthias**]

[10] Matthias Corvinus was the first native king of this country since its Árpád dynasty. This country's first king, Stephen, converted it to Christianity.

ANSWER: **Hungary** [or **Magyarország**]

[10] In 1455, Matthias's father Janos Hunyadi defeated the forces of this empire at Belgrade, halting the expansion of Mehmet II. It had taken Constantinople from the Byzantines in 1453.

ANSWER: **Ottoman** Empire

004-09-12-20212

13. Aime Millet sculpted *Apollo, Poetry, and Music* for the roof of this building. For 10 points each:

[10] Name this building designed by Charles Garnier, the facade of which includes Jean-Baptiste Carpeaux's sculpture *The Dance*. It was built above an underground lake, and opened with a performance of Halévy's *The Jewess*.

ANSWER: **Paris Opera** House [or **Palais Garnier**; or **Opera de Paris**; prompt on **Opera Garnier**]

[10] This city's opera house is covered by a roof of shells tiled with white granite that resemble sails, and was designed by Jorn Utzon.

ANSWER: **Sydney**, Australia

[10] This architect won the contest to design the Cardiff Bay Opera House, although local opposition prevented it from being built. This first female Pritzker-winner also designed the Dubai and Guangzhou opera houses and the Rosenthal Center for Contemporary Art in Cincinnati.

ANSWER: Zaha **Hadid**

004-09-12-20213

14. Answer the following about the Civil Rights Movement, for 10 points each.

[10] Students in this city began three months of sit-ins twelve days after the Greensboro sit-ins started. The mayor of this city, Ben West, eventually gave into the demands and desegregated lunch counters.

ANSWER: **Nashville**

[10] “Bull” Connor turned fire hoses on black protestors in this city. Martin Luther King Jr. was jailed in this city, which allowed him to write a letter stating “injustice anywhere is a threat to justice everywhere.”

ANSWER: **Birmingham**

[10] These activists led by Bayard Rustin and organized by the CORE and SNCC rode on interstate buses to test the decision made the Supreme Court in *Boynton v Virginia*.

ANSWER: **Freedom Riders** [or **Freedom Rides**]

020-09-12-20214

15. The number eighteen recurs throughout this epic, as it is the number of books in the poem, the number of chapters in its "Bhagavad-Gita" section, and the number of days that the battle between the Pandavas and Kauravas lasts. For 10 points each:

[10] Name this Indian epic.

ANSWER: the **Mahabharata**

[10] About six hundred years after the Mahabharata was written down, this Indian author wrote the Sanskrit poem "The Cloud Messenger" and the play *Sakuntala*.

ANSWER: **Kalidasa**

[10] Indian literature continues into the present day with this author of *Hullabaloo in the Guava Orchard*, who wrote the lauded 2006 novel *The Inheritance of Loss*.

ANSWER: **Kiran Desai** [prompt on **Desai**]

019-09-12-20215

16. Otosclerosis results from the hardening of these objects in the middle ear. For 10 points each:

[10] Give the collective name for the three smallest bones in the human body.

ANSWER: auditory **ossicles** [prompt on **middle ear bones**]

[10] This smallest bone in the body is attached to the oval window, through which its vibrations are transmitted to the cochlea. It is sometimes called the stirrup.

ANSWER: **stapes**

[10] The incus and malleus derive from the first of these ridges, while the stapes derives from the second. In fish, the interior grooves become gills.

ANSWER: **pharyngeal arches** [or **branchial arches**]

001-09-12-20216

17. The central figure of this episode fought several men at fords and had his chariot driven by Láeg. For 10 points each:

[10] Identify this story which told of a war between Ulster and Connacht sparked by Medb and Ailill's attempts to steal a certain livestock.

ANSWER: **Cattle Raid of Cooley** [or The **Táin** Bó Cúailnge]

[10] Medb and Ailill were opposed by this Irish hero, originally named Setanta, the husband of Emer and slayer of a hound with a similar name.

ANSWER: **Cú Chulainn**

[10] The Táin featured this figure, who changed into an eel, a wolf, and a heifer in her dogged attempts to win Cú Chulainn's love before granting him three drinks of milk in the form of an old woman.

ANSWER: The **Morrigan** [or **Morrígu**; or **Mor-Ríoghain**]

020-09-12-20217

18. Astrakhan lies in its delta, while Glenn Miller and Manuel de Falla helped popularize a song about its boatmen. For 10 points each:

[10] Name this river which includes Moscow as part of its drainage basin, the largest river in Europe.

ANSWER: **Volga** River

[10] The Volga empties into this salty lake famous for its sturgeon population which also borders Iran to the south.

ANSWER: **Caspian** Sea

[10] Another river which empties into the Caspian Sea is this one formerly known as the Vaik which flows through Kazakhstan to Magnitogorsk at the southern end of a namesake mountain range which encompasses Perm and Yekaterinburg.

ANSWER: **Ural** River

059-09-12-20218

19. The hero of this ballet, Prince Siegfried, has a friend named Benno von Sommerstern and a tutor named Wolfgang. For 10 points each:

[10] Name this ballet in which Siegfried dies with Odette to end a curse.

ANSWER: **Swan Lake** [or **Lebedinoye Ozero**]

[10] This Russian composer of *The Nutcracker* and *The 1812 Overture* composed *Swan Lake*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

[10] This evil sorcerer creates the curse at the center of *Swan Lake* and has a daughter named Odile who looks exactly like Odette.

ANSWER: Von **Rothbart**

015-09-12-20219

20. He compiled a group of his writings in the collection *Florida* and wrote a comic *Apologia* when he was accused in court of using magic to woo a rich widow. For 10 points each:

[10] Name this second century Roman author.

ANSWER: **Apuleius**

[10] Apuleius may be best known for writing this novel, which is sometimes known as his *Metamorphoses*. In it, Lucius is transformed into the title animal and has some adventures.

ANSWER: *The **Golden Ass***

[10] This other Roman also wrote a *Metamorphoses*. He wrote the *Fasti* and was exiled to the Black Sea.

ANSWER: **Ovid**

015-09-12-20220

21. This man wrote a play where Nina Leeds aborts her child to prevent her husband Sam Evans from succumbing to heredity insanity. For 10 points each:

[10] Name this American playwright of *Strange Interlude*, who fictionalized himself as Edmund in his autobiographical play about the Tyrone family, *Long Day's Journey Into Night*.

ANSWER: Eugene **O'Neill**

[10] In O'Neill's play *The Iceman Cometh*, this salesman arrives at Harry Hope's bar and attempts to convince other characters to give up their pipe dreams. In its final act, he reveals that he killed his wife Evelyn out of hatred.

ANSWER: **Hickey** [or Theodore **Hickman**; or **Theodore** Hickman]

[10] This O'Neill play uses the rival architects Billy and Dion to represent the Apollonian and Dionysian modes of life. Characters in this play wear masks to display elements of their personalities.

ANSWER: *The **Great God Brown***

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