

Tossups

1. **A disaster in this industry at Silkstone led to the seventh Earl of Shaftesbury becoming involved in its reform. Women could be employed in this industry as “trappers” or “hurries.” Lesbians and gays supported workers in this industry with a 1980s benefit concert partly named for “Perverts.” A lockout of workers in this industry led to the 1926 general strike in Britain. The goal of making war “not merely (*) unthinkable, but materially impossible” between members of an organization with this industry first in its title was stated in the Schumann Declaration. A precursor organization to the European Union was named for this industry and steel. For 10 points, name this industry that mined a black rock for fossil fuel.**

ANSWER: coal industry [or coal mining]

2. **This thinker declared that one can train someone to be a good man or a good citizen, but not both. A work by him proposes the existence of a Lawgiver who inspires the conditions of a political society, but does not legislate any laws himself. This philosopher defined the power to act according to duty as “moral freedom”. He called the first man who (*) fenced off a piece of land the founder of civil society, in a work explaining the origins of the desire to be better than others, which he called *amour-propre*. This author of *Discourse on Inequality* discussed the community’s establishment of a “sovereign” to determine the “general will” of the people. For 10 points, name this Genevan philosopher of *Emile, or On Education* and *The Social Contract*.**

ANSWER: Jean-Jacques Rousseau

3. **Field’s stability criterion for this region, expressed in terms of its cooling function, supports a pressure-balanced, two-component model of it. Polycyclic aromatic hydrocarbons in this region may be responsible for some of its namesake diffusion absorption bands. Most of its molecules are found in dark (*) clouds, which include GMCs and Bok globules. Absorption and emission of the 21-centimeter line in its neutral portions allows mapping of the rotation curve of the Milky Way. After crossing the heliopause, Voyager 1 is now in this region beyond the influence of the solar wind. For 10 points, name this dust and gas that fills the space between stars.**

ANSWER: Interstellar Medium [or ISM; or Interstellar Space]

4. **This poem’s speaker describes its central event as “just another kind of outdoor game.” “Spring is the mischief” in this poem’s speaker, who considers “Elves” as something that might object to the title object. The speaker notes that a certain phrase should apply only where there are (*) cows, and that “here there are no cows.” Some falling objects in this poem irritate the speaker, prompting him to “use a spell to make them balance.” This poem’s speaker mentions that “some are loaves and some so nearly balls” when comparing the shapes of some fallen stones. The speaker claims that his “apple tree will never get across / And eat the cones” under his neighbor’s pines. For 10 points, name this Robert Frost poem containing the line “Good fences make good neighbors”.**

ANSWER: “Mending Wall”

5. **A piece composed for this man and violinist Joseph Szigeti calls for the G and E strings of the violin to be retuned in its third movement. That piece, *Contrasts*, was composed by Bela Bartok. During an equipment check before one of his recording sessions, Cootie Williams and Charlie Christian were recorded jamming together on a track entitled “Waitin’ for” this man. This man’s band nearly sparked a riot when they performed at the (*) Palomar Ballroom in Los Angeles, due to the audience they had built up from playing the late-night slot on the NBC radio show *Let’s Dance*. Near the end of his band’s 1938 performance at Carnegie Hall, this man featured his drummer Gene Krupa on “Sing, Sing, Sing”. For 10 points, name this bandleader and clarinetist who was known as the “King of Swing”.**

ANSWER: Benny Goodman [or Benjamin David Goodman]

6. **Minimizing this effect by heating increases the yield of Cope rearrangements. Flagpole interactions increase the strength of this effect. Bridgehead carbons on compounds like norbornene do not have sp² hybridization because of this effect, according to Bredt's rule. The Prelog type of this effect is also called its "transannular" type, and the deviance of a compound's planar dihedral angles are measured by its Baeyer type. To minimize a type of this effect, "puckering" forms (*) "envelope" conformations in cyclopentane. A staggered conformation minimizes this, whereas an eclipsed conformation maximizes it, in Newman projections. Epoxides differ from ethers in having large values of the "ring" type of this effect. For 10 points, name this effect that raises the energy of burdened compounds.**
ANSWER: **strain** [or **hindrance**; or **strain** energy; or **steric** effects]
7. **This character reveals his genetically-engineered strength when he saves someone from being crushed by a Calder mobile. After misquoting *Macbeth*, this character uses Wikipedia on an exploding laptop. A elephant-filled parade celebrating Hannibal crossing the Alps tramples him after he says "Surely, there's no harm in laying in the middle of a public street?". He tries to use his wife's lack of sense of (*) smell to stage an accident involving a post-MacGyver cigarette and a gas fireplace. This character is arrested after singing all of *H.M.S. Pinafore* in an episode parodying the film *Cape Fear*. He vows revenge on his show's protagonists after failing to frame his employer for robbing Apu's Kwik-E-Mart. For 10 points, name this former sidekick of Krusty the Clown, who often tries to kill members of the Simpson family.**
ANSWER: **Sideshow Bob** [or Robert **Terwilliger**]
8. **Harrison Jack was one of ten men arrested in 2007 for allegedly part alleged role in a planned coup in this country. A kingdom centered in this modern-day country repelled a pair of invasions at Sala Kham and Chiang Mai. The kingdom of Champasak was united into this country 200 years after breaking off from a kingdom named for "a million white elephants under a white parasol." A "Secret War" in this country filled large areas, like the (*) Plain of Jars, with unexploded mines. The disappearance of Vue Mai sparked resistance to a plan to return Hmong refugees to this country. For 10 points, name this Southeast Asian nation whose US-backed government was overthrown in a 1975 coup in Vientiane.**
ANSWER: **Laos** [or **Lao** People's Democratic Republic]
9. **An old woman attempts to dissuade two people from taking this action by relaying a warning to a louse, who travels inside of a toad, who travels inside of a snake, who travels inside of a falcon. A man ignores his friend's warnings to wear dirty clothes and no perfume when he does this to retrieve a *pukku* and *mikku*. Dumuzi hides with his sister Geshtinanna in order to avoid doing this. Clothes that turn into fruits help distract a demon that chases Izanagi after he takes this action to (*) see his wife Izanami. Inanna unclothes herself as she performs it in order to meet her sister Ereshkigal. Hermod takes this action in a failed attempt to retrieve Balder from Helheim. To revive Eurydice, this action was undertaken by Orpheus. For 10 points, name this action performed by Jesus between his death and resurrection.**
ANSWER: **descent to the underworld** [or **katabasis**; or obvious equivalents of "descent to", such as **visiting**, **going to**, and **travelling to**; or **Xibalba**, **Irkalla**, **yomi**, **Hel**, **Hades**, or **hell** in place of "underworld"; or **Helheim** in place of "underworld" until it is read; or **harrowing of Hell** after "Jesus" is read]
10. **A character in this play agrees that it has been a "quite delightful" season, only to immediately contradict himself by stating that the season has been "dreadfully dull." One character in this play, whose lines are repeating the words "yes, mamma", plans to go off to Australia with another character. A third character in this play responds to question "what is a (*) cynic?" by stating "a man who knows the price of everything and the value of nothing", saying those lines in the presence of Cecil Graham and Mr. Dumbly. Augustus Lorton proposes to the title character's mother at the end of this play. Mrs. Erlynne reveals that she is hiding in Lord Darlington's house after the title object is found in this play. For 10 points, name this play by Oscar Wilde.**
ANSWER: ***Lady Windermere's Fan, A Play About a Good Woman***

11. A severe, early-onset form of this disease is developed by half the children who suffer from Sturge-Weber syndrome. Pigment cells can slough off in a rare form of this disease called pigment dispersion syndrome. It's not dry mouth, but pilocarpine acts on a muscarinic acetylcholine receptor to treat this disease. This disease can be surgically treated through a canaloplasty or a trabeculectomy. Inuits have a severely increased risk of developing the (*) closed-angle type of this disease, whose open-angle type is common in elderly people; in both cases, aqueous humor drainage is impaired, leading to increased intraocular pressure and progressive vision loss via damage to the optic nerve. For 10 points, name this disease that is the second leading cause of blindness, after cataracts.

ANSWER: glaucoma

12. Two women in this novel complain about sexual inequality in a library that categorizes male authors before female authors. A main character in this novel sleeps with a prostitute who quotes Bergson and Hegel. In this novel, a character sticks a steak knife through the chest of a man who is trying to make a flute out of the souls of animals that he paralyzes and (*) decapitates. An incident in it, in which several students suddenly collapse on top of a hill during a field trip, grants the ability to speak to cats to Nakata. The protagonist of this work has an alter ego named Crow and hides in a library managed by Oshima and Ms. Saeki. For 10 points name this novel by Haruki Murakami about a fifteen-year-old who names himself after a famous Czech author.

ANSWER: Kafka on the Shore [or Umibe no Kafuka]

13. In a piece by this composer, a choral "Gloria patri" is preceded by a setting for solo soprano of Psalm 117. One of this composer's works ends with a double fugue in D minor on the words "cum sanctis tuis in aeternum". The *Agnus Dei* from one of his masses was the basis for his aria *Dove sono*. This composer's *Vesperae solennes de confessore* includes a popular (*) "Laudate Dominum". The last symphony by this composer of the *Coronation Mass* ends with a five-voice fugato on the themes of its finale, and was given a mythological nickname by Johann Peter Salomon. His final work was left unfinished eight bars into its *Lacrimosa* section. For 10 points, Franz Sussmayr completed the *Requiem* of what composer of the *Jupiter* Symphony?

ANSWER: Wolfgang Amadeus Mozart [or Johannes Chrysostomus Wolfgangus Theophilus Mozart]

14. During this campaign, Wade Hampton managed to capture 2,500 cattle in the Beefsteak Raid. This campaign ended after the Union contained a breakout attempt at the Battle of Fort Stedman. During this campaign, Philip Sheridan personally led the cavalry charge into Pickett's right flank that won the Battle of Five Forks. Early in this campaign, the Union botched a plan to (*) blow a hole in the Confederate lines with gunpowder kegs at the Battle of the Crater. Its retreating commander tried and failed to meet Joseph A. Johnston, then surrendered at Appomattox Courthouse. For 10 points, name this decisive siege of a Virginia city that ended the Civil War.

ANSWER: Richmond-Petersburg Campaign [or the Siege of Petersburg]

15. This religion's hell contains a tree that grows bitter fruit in the shape of monstrous heads. According to this religion, souls reach heaven by crossing a non-Chinvat bridge that cuts them in proportion to their sins. Between death and resurrection, souls in this religion reside in an antechamber called "limit" or "barrier" where they are questioned by two angels. This religion's seven-tiered heaven, the (*) "garden," was visited on the miraj. After this religion's Day of Judgment, souls will go to a fiery hell, Jahannam, or the houri-filled paradise, Jannah. For 10 points, name this religion that supposedly promises believers seventy-two virgins in heaven.

ANSWER: Islam [or Sunni Islam; or Shi'a Islam; or obvious equivalents]

16. After being told the plot of *The Merchant of Venice*, a character in this book wonders why Shylock did not use a red-hot knife to extract his pound of flesh. The narrator compares the relationship between the white and black races to a marriage between men and women in a section of this book. The narrator of this book is pleased to hear that two lions gather on the grave of a character who died in a (*) plane crash, with whom she often went on safari. It includes a section called “From an Immigrant’s Notebook”, which is preceded by a chapter that describes dances called *ngomas*. The last part of this book recalls the death of the author’s implied lover, Denys Finch-Hatton. 10 points, name this memoir of years spent on a coffee plantation in the Ngong Hills of Kenya, written by Isak Dinesen.
ANSWER: Out of Africa
17. In a biblical scene by this artist, a strange bundle of disembodied angel heads appear along the archway of a dark cave above an ox and an ass. Two shepherds are dressed as pilgrims in that *Adoration of the Shepherds* by this artist, which belongs to his Allendale Group. Sebastiano del Piombo finished a painting by this artist in which a man in red with a white turban stands between a young man, and an old man who clutches a paper. Another of his paintings contains a woman in the right foreground nursing a baby and a (*) soldier in the left foreground who stands aloof, holding a staff, while a storm rages on in the background. Like Bellini, he taught Titian. For 10 points, name this Renaissance artist who painted *The Three Philosophers* and *The Tempest*, and was an early member of the Venetian school.
ANSWER: Giorgione [or Giorgio Barbarelli da Castelfranco; or Giorgio Barbarelli da Castelfranco]
18. This man collaborated with D.C. Simons to test the effects of radiation on animals, at an altitude above 90,000 feet. This man argued that animals go from trial-and-error to insight with repeated iterations of a single problem type in his studies on “learning sets.” While at UW–Madison, this man’s first Ph.D. student was Abraham Maslow. An experiment of his used a modification of a device that only lets a participant open and close a door to the outside. This author of “The Nature of Love” used a modified Butler box in an experiment that contrasted a “surrogate (*) mother” made of wire with one made of terrycloth. He also created the anxiety-producing “rape rack” and “pit of despair.” For 10 points, name this psychologist who studied affection in rhesus monkeys.
ANSWER: Harry Harlow [or Harry Frederick Harlow]
19. In the 1-dimensional case, this system is the most elementary application of Floquet’s theorem. To analyze this system, one can write the Schroedinger equation as a sum of plane waves obeying the Born–von Karman boundary condition. A series of finite square wells is used to simplify this system in the Kronig–Penney model. For this system, the eigenstates of a one-electron Hamiltonian can be chosen as a plane wave times a function whose properties accord with the primitive (*) translation vectors, according to Bloch’s theorem. Electronic band structure is yielded by analysis of this system. This system is defined by a unit cell and the complete set of them that can fill a 3-dimensional space were defined by Bravais. For 10 points, name this system that consists of repeating arrays of atoms.
ANSWER: particle in a 1-dimensional periodic crystal lattice [or obvious equivalents, such as particle in a 1-dimensional periodic crystal lattice or particle in a 1-dimensional periodic potential; or Kronig-Penney model until it is read]
20. This person ruined the hedgerows of Sayes Court when the diarist John Evelyn took him in as a guest. This person built Taganrog as a base for his fleet, which was commanded by the Scottish mercenary Patrick Gordon. Sultan Mustafa II gifted this ruler with an African slave, Abram Gannibal, who became one of his smartest engineers. He spent his early years in a power struggle with Vasily Galitzine and his half-sister (*) Sophia. This ruler’s love of boats led him to work in disguise at a Dutch shipyard during his “Grand Embassy” to Western Europe. After he returned home, he modernized his country by requiring that boyars shave off their beards and acquiring parts of the Baltic coast from Charles XII. For 10 points, name this tsar of Russia who won the Great Northern War.
ANSWER: Peter the Great [or Peter I; or Pyotr in place of “Peter”; prompt on “Peter (Alexeyevich Romanov)”]

Bonuses

1. Roger Sessions taught music at this university for over two decades, where his students included Edward T. Cone and David Lewin. For 10 points each:
[10] Name this university that was the center of the American academic avant-garde music movement in the mid-20th century. Milton Babbitt taught here for over forty years, and Paul Lansky currently teaches here.
ANSWER: **Princeton** University
[10] Many of the Princeton composers practiced total serialism, an extension of the twelve-tone technique invented by this founder of the Second Viennese School and composer of *Pierrot Lunaire*.
ANSWER: Arnold **Schoenberg**
[10] A composer from this country employed serialism in many of his pieces, including *The Hammer without a Master*. Another composer from here used serialism in the “Modes of Durations and Intensities” movement of his *Four Rhythm Studies*.
ANSWER: **France** [or the **French Republic**]
2. This dynasty’s coat of arms consisted of four red and four silver or white stripes, which was frequently paired with a flag with a double cross. For 10 points each:
[10] Name this dynasty that was founded by Almus when seven chiefs swore allegiance to him, according to the *Illuminated Chronicle*. It is unclear whether Almus held the title of *kende* or *gyula*.
ANSWER: **Arpad** dynasty
[10] This greatest member of the Arpad dynasty, born as the pagan Vajk (VAHHJ-kuh), married Gisela of Bavaria and officially established the Catholic Church in his country.
ANSWER: **Stephen I** [or **Saint Stephen**; or **Sanctus Stephanus**; or **Szent István** király; or **István I**; prompt on “Stephen”]
[10] Stephen I was the first official king of this country, whose other rulers included Louis II, the loser of the Battle of Mohács (MOH-hahtsh). This country later became part of a dual monarchy with Austria.
ANSWER: **Hungary** [or **Magyarország**]
3. These entities are grouped into readily releasable, recyclable, and reserve pools. For 10 points each:
[10] Identify these assemblies of fluid trapped within lipid bilayers, which fuse with the help of SNAREs and can carry neurotransmitters released by neurons.
ANSWER: **vesicles**
[10] Vesicles can transport neurotransmitters across this space between neurons, whose electric variety consists of membranes linked together by gap junctions.
ANSWER: **synapses**
[10] In this cutely-named mechanism for synaptic vesicle formation, the vesicles open a small pore to let neurotransmitters in, then close it before separating from the presynaptic membrane.
ANSWER: **kiss-and-run** fusion
4. Some critics of this book have focused on its reliance on the ideas of Kojève in interpreting Hegel. For 10 points each:
[10] Name this Francis Fukuyama work, which declared that after the end of the Cold War, liberal democracy would become the final form of government.
ANSWER: *The **End of History** and the Last Man*
[10] This German anti-Enlightenment philosopher was one of the earliest advocates of pure historical relativism, arguing that each epoch’s conceptions are equally valid. His historically-minded works include *This Too*, *On the Change of Taste*, and the *Critical Forests*.
ANSWER: Johann Gottfried **Herder**
[10] This German philosopher included the essay “On the Use and Abuse of History for Life” in his *Untimely Meditations*. He introduced his idea of the *Übermensch* in *Thus Spoke Zarathustra*.
ANSWER: Friedrich **Nietzsche** [or Friedrich Wilhelm **Nietzsche**]

5. A member of this group penned the lines “I am nothing / I shall never be anything / I cannot wish to be anything” in the poem “Tobacco Shop”, written after his time living in Newcastle. For 10 points each:
[10] Name this group that includes the Englishman Alexander Search, whose death at twenty was commemorated in an epigraph; the doctor-detective Abilio Quaresma; and the poet Alvaro de Campos.
ANSWER: **heteronyms** of Fernando **Pessoa** [or **alter ego**, **pseudonym**, **nom de plume**, or other rough equivalents in place of “heteronym”]
[10] One of Pessoa’s heteronyms outlives him in *The Year of the Death of Ricardo Reis*, a novel by this Portuguese author, who wrote of an epidemic of “white sickness” in his novel *Blindness*.
ANSWER: José **Saramago** [or José de Sousa **Saramago**]
[10] Five people come together to travel across Iberia in this Saramago novel, in which the Iberian Peninsula breaks off from Europe and floats across the Atlantic.
ANSWER: *The **Stone Raft***
6. These policies often involved the use of high tariffs and an overvalued currency to promote the growth of indigenous industries. For 10 points each:
[10] Identify these policies in part motivated by the Singer-Prebisch thesis. They were primarily trade policies that motivated by arguments from development economics.
ANSWER: **ISI** [or **import substitution industrialization**]
[10] The Singer-Prebisch thesis suggests that a dependence on the export of these things occurs side-by-side with a decline in terms of trade. Marxian analysis describes a “fetishism” of these things in which they are presumed to have an inherent value that does not reflect the labor needed to produce them.
ANSWER: primary **commodities** [or word forms]
[10] ISI policies were popular in Latin American countries in the aftermath of this global event. Greece and Turkey received extensive aid after this event via the Marshall Plan, which sought to limit communist expansion in its aftermath.
ANSWER: **World War II** [or the **Second World War**; or obvious equivalents]
7. One of his recurring protagonists recalls learning about sex from an Ojibwe girl named Tracy in the story “Fathers and Sons”. For 10 points each:
[10] Name this author of “The Snows of Kilimanjaro”, whose character Nick Adams appears in stories like “Indian Camp” and “Big Two-Hearted River”.
ANSWER: Ernest **Hemingway**
[10] An Ojibwe reservation in North Dakota is the setting of parts of this first novel by Louise Erdrich, which is about the Kashpaw and Morrissey families.
ANSWER: **Love Medicine**
[10] Louise Erdrich studied creative writing with this legendary teacher at Johns Hopkins, whose own works include the short story collection *Lost in the Funhouse* and the novel *Giles Goat-Boy*.
ANSWER: John **Barth** [or John Simmons **Barth**]
8. Bernard Lewis argues that this term lost its military connotation after the Sack of Baghdad. For 10 points each:
[10] Give this Arabic term used to describe “struggles” in Islam. In modern Western parlance, it has often become a byword for radical Islamist military campaigns.
ANSWER: **jihad**
[10] This philosopher divided *jihad* into four types: by the heart, by the tongue, by the hand, and by the sword. This secular Islamic thinker and defender of Aristotelianism hailed from Spain and was known as the “Commentator.”
ANSWER: **Averroes** [or **Ibn Rushd**; or ‘Abu l-Walid Muhammad Ibn ‘Ahmad **Ibn Rushd**]
[10] A leader of this organization argued that jihad was permanent in the book *Milestones*. This formerly radical Salafist organization has since renounced violence.
ANSWER: **Muslim Brotherhood** [or **Society of the Muslim Brothers**; or **al-Ikhwan al-Muslimun**]

9. This river was frequently called Jayhoun in reference to one of the rivers of Eden, but at other times was called Gozan. For 10 points each:
[10] Name this river whose ultimate source is thought, by some, to be an ice cave in the Wakhan corridor. This river was regarded by historiographers as the southern border of Turan.
ANSWER: **Amu Darya** [or **Oxus**]
[10] Geographers and poets alike contrasted Turan with this region. This region lends its name to the modern country formerly known as Persia.
ANSWER: **Iran** [or Greater **Iran**; or obvious equivalents, such as **Eran**]
[10] This resource lends its name to the Dasht-e-Kavir, the large desert in the middle of the Iranian plateau. A number of odd mummies have been uncovered at Chehrabad, a facility where this resource is extracted.
ANSWER: **salt**
10. An easy test to see if a coordinate transform is of this type is to see whether the fundamental Poisson brackets are conserved. For 10 points each:
[10] Name these coordinate transforms from small p and small q to big P and big Q , where big P and big Q are functions of small p and small q , that satisfy Hamilton's equations of motion.
ANSWER: **canonical** transformations [or **contact** transformations; or **scale** transformations; do NOT accept "point transformations"]
[10] One can determine if a transform is canonical by checking whether this matrix for it satisfies the symplectic condition. It contains the partial derivatives of a vector function, and its determinant is used when performing a change of variables for an integral.
ANSWER: **Jacobian** matrix
[10] For many dynamical systems of interest, a unique solution to the equations of motion is obtained when the initial position and this quantity, the time derivative of position, are defined.
ANSWER: **velocity** [or **v**]
11. This type of differential equation problem involves finding the solution to an ODE given the value of the function of interest at the starting point or time. For 10 points each:
[10] Name this type of differential equation problem that contrasts with a boundary-value problem.
ANSWER: **IVP** [or **initial**-value problem; or **Cauchy** problem]
[10] A big deal for IVPs is whether a problem is well-posed, which is the case if a solution exists, if the solution depends on the data, and if the solution has this property. It means that there is one – and only one – solution.
ANSWER: **uniqueness**
[10] Picard's existence theorem guarantees that a solution exists and is unique for a first-order IVP if the derivative of the function has this form of continuity. It requires that the difference at any two points on a function be less than or equal to a rational number multiplied by the difference in independent variable.
ANSWER: **Lipschitz** continuity [or **Lipschitz** condition]
12. A massive "Research Project" set up in 1968 classified this artist's works into A for authentic, B for inconclusive, and C for inauthentic, with many sarcastically labeling the "B" category "bothersome." For 10 points each:
[10] Name this painter, whose approximately 300 genuine paintings include a group portrait of a citizen militia, titled *The Night Watch*.
ANSWER: **Rembrandt** [or **Rembrandt Harmenszoon van Rijn**; or Rembrandt Harmenszoon **van Rijn**]
[10] This Rembrandt painting is no longer believed to depict a new father-in-law putting a necklace on his daughter, but instead to portray the Biblical couple Isaac and Rebecca.
ANSWER: *The Jewish Bride* [or *Het joodse bruidje*]
[10] A giant, wooden example of this kind of interior feature separates an old woman tending a fire, and an old man seated at a table, in Rembrandt's mistitled canvas *Philosopher in Meditation*.
ANSWER: a **spiral staircase** [or a **winding staircase**; prompt on "staircase"]

13. This character has a scheme to organize all of his brethren in strobing at the same time, to cause the entire human race to have epilepsy. For 10 points each:
[10] Name this character who is kidnapped by a street urchin, shoved up an accountant's ass, and flushed down a toilet, all while trying to escape the Phoebus corporation, who want to destroy him for not burning out.
ANSWER: **Byron** the Lightbulb
[10] Byron the Lightbulb appears in this encyclopedic Thomas Pynchon novel in which Tyrone Slothrop's erections are correlated with V-2 rocket strikes.
ANSWER: **Gravity's Rainbow**
[10] Reverend Cherrycoke narrates this Pynchon novel in which he accompanies the title surveyors, encountering real-life figures Benjamin Franklin and Thomas Jefferson along the way.
ANSWER: **Mason & Dixon**
14. This term generally applies to coalitions between leftists and centrists. For 10 points each:
[10] Give this term also applied to the alliance of left-wing movements in France that resisted the right-wing and pro-fascist movements and won the 1936 general election.
ANSWER: **Popular Front** [or **front populaire**]
[10] This moderate leftist leader became Prime Minister after the 1936 French general election. He was denounced by Action française leader Xavier Vallat as a "cunning talmudist."
ANSWER: Léon **Blum** [or André Léon **Blum**]
[10] This city names group of 80 parliamentarians, including Léon Blum, who voted against establishing the pro-Axis, authoritarian French state based in this location.
ANSWER: **Vichy**, France [or **Vichy** France]
15. This man accompanies Phoenix to Achilles's tent in Book IX of the *Iliad* and later helps Diomedes in the thefts of Rhesus's horses and the Palladium statue. For 10 points each:
[10] Name this king of Ithaca, who left his son Telemachus at home to fight against Troy.
ANSWER: **Odysseus** [or **Ulysses**; or **Ulixes**]
[10] Odysseus did this type of property damage in Ithaca atop a plow, feigning madness to avoid going to Troy until little baby Telemachus was put in his way. The idea that Scipio Aemilianus did this in 146 BC is mere legend.
ANSWER: **salted** his fields [or obvious equivalents indicating a person throwing, scattering, planting, or what-have-you **salt** into/onto the ground; prompt on "damaging arable land", or similar answers that do not mention **salt**]
[10] This deformed common soldier is beaten by Odysseus for *daring* to criticize Agamemnon's leadership and railing against the Trojan War in book II of the *Iliad*.
ANSWER: **Thersites**
16. The ISO codes for these things are typically a combination of a two letter country code and their first initial. For 10 points each:
[10] Name this medium of exchange, whose paper varieties include the Euro and US dollar. Exchange rates are the rate of interchange between them.
ANSWER: **currency** [prompt on "money"]
[10] This economic condition formally suggests that the devaluation of a currency will not result in an improvement of the balance of trade, unless the elasticities of exports and imports sum to greater than 1.
ANSWER: **Marshall-Lerner** condition
[10] Across this period of time, a devaluation is most likely to result in a reduction in exports as represented by the J curve. Keynesian economists generally accept that monetary stimuli can increase real output across this period of time.
ANSWER: the **short term** [prompt on "short", or anything mentioning "short" that does not include "term"]

17. The excellently named Kaj Ulrik Linderstrøm-Lang came up with this really cool analytical technique. For 10 points each:
[10] Name this technique that studies protein structure by replacing one atom with another that is heavier, giving information about a protein's solvent accessibility once a mass spec or an NMR is run.
ANSWER: **hydrogen-deuterium** exchange [or **H/D** exchange; or obvious equivalents]
[10] H/D exchange generally occurs at this functional group, which consists of a carbon double bonded to an oxygen and single bonded to a nitrogen atom.
ANSWER: **amide**
[10] A much less cool way to determine protein structure involves crystallography with this form of radiation, which can be used to image your chest.
ANSWER: **X**-ray [or **X**-radiation]
18. During this event, Rear Admiral Cockburn reportedly ordered the destruction of all the "C" type in a newspaper building, so that his name could no longer be defamed. For 10 points each:
[10] Name this event led by Robert Ross that took place shortly after Ross's forces won the Battle of Bladensburg. During it, the Lansdowne portrait was legendarily saved by a woman.
ANSWER: The **burning of Washington**, D.C. [or the **burning of the White House**; or obvious equivalents]
[10] The burning of Washington, D.C. occurred during this conflict between the United States and Great Britain. The Battle of New Orleans occurred shortly after this war was technically over.
ANSWER: The War of **1812**
[10] This October 1812 battle was a British victory that thwarted an American attempt to establish a base on the Canadian side of the Niagara River. It is best remembered for being the site of British General Isaac Brock's death.
ANSWER: Battle of **Queenston Heights**
19. Many English novelists fictionalized the lives of famous poets. For 10 points each:
[10] Name this author who depicted Shakespeare contracting syphilis from the Dark Lady in his novel *Nothing Like the Sun*. He also wrote a quartet of novels about the poet Francis Xavier Enderby.
ANSWER: Anthony **Burgess** [or John Anthony **Burgess** Wilson]
[10] In this author's novel *The Story of Marie Powell: Wife to Mr. Milton*, the title poet is given a rather unflattering portrait. The title Roman emperor narrates his novels *I, Claudius* and *Claudius the God*.
ANSWER: Robert **Graves** [or Robert von Ranke **Graves**]
[10] Penelope Fitzgerald portrayed this German poet's love for the pre-pubescent Sophie von Kuhn in her novel *The Blue Flower*.
ANSWER: **Novalis** [or Georg Philipp Friedrich Freiherr von **Hardenburg**]
20. Answer the following about photographic chronicles of American life, for 10 points each.
[10] Ansel Adams photographed girls practicing calisthenics in his series *Born Free and Equal*, which examines the lives of members of this ethnicity who were interned at camps like Manzanar during World War II.
ANSWER: **Japanese**-Americans [or **Nikkei** Amerikajin]
[10] This photographer toured the South in the 1930s, with her future husband Erskine Caldwell, to produce the book *You Have Seen Their Faces*. She also captured Gandhi at his spinning wheel.
ANSWER: Margaret **Bourke-White**
[10] A girl in overalls and a bald man covered in beees appear in two images from this fashion photographer's massive project *In the American West*. He also took four psychedelic portraits of the Beatles.
ANSWER: Richard **Avedon**