**Tossups**

1. In this novel, Versh tells one character “Your mommer going to whip you for getting your dress wet” after that character squats in the mud. This novel’s appendix ends with a maid’s simple statement: “They endured.” The narrator of this novel’s second section wakes up to the sound of a clock given to him by his father, and on June 2nd, 1910, that character drowns himself in the Charles River. This novel’s central family is served by the caretaker Luster and the maid Dilsey, and includes the racist Jason, the mentally handicapped Benjy, Quentin, and their sister Caddy. For 10 points, name this novel about the declining Compson family, written by William Faulkner.

ANSWER: *The* ***Sound and the Fury***

1. Examples of these objects found in the bottom-left corner of an HR diagram include DAV and ZZ Ceti. The transition between helium 1+ and 2+ drives the kappa mechanism, which powers the behavior of some of these objects. Henrietta Leavitt discovered one type of these stars and Harlow Shapley used another type to calculate the size of the Milky Way. Period–luminosity relations are commonly determined for these stars. Examples of them used as standard candles to calculate astronomic differences are RR Lyrae and Cepheids. Found on the instability strip of an HR diagram are, for 10 points, what stars whose luminosity undergoes changes?

ANSWER: **variable** stars [accept **Cepheid** variables or **RR Lyrae** before mentioned]

1. A serviceman from this country marching in a column reaches toward his young son Warren Bernard in the photograph *Wait for Me, Daddy*. This country simulated an invasion of itself called “If Day” as part of a campaign to sell war bonds. The force that carried out the disastrous Dieppe Raid was largely made of soldiers from this country, which was forced to use conscription in 1944. After the fall of Hong Kong, this country interned its Japanese population until 1949. This country’s forces captured Juno Beach during the Normandy landings. For 10 points, name this country led by William Lyon Mackenzie King during World War II, which supported its southern ally the United States.

ANSWER: **Canada**

1. Among Alexander Scriabin’s twelve pieces in this genre, all but the first four are highly dissonant, such as his *White Mass* and *Black Mass*. A B minor piece in this genre has one movement with four distinct sections, a structure described by the term “double-function form.” That piece is by Franz Liszt. Chopin’s second piece in this genre has a funeral march in B-flat minor. Another of these pieces opens with the arpeggio “G-sharp, C-sharp, E” played in *pianissimo* triplets. The subtitle *Quasi una fantasia* was given to one of these pieces with a nickname inspired by a reflection off a lake evoking the title phenomenon. For 10 points, name these pieces for solo keyboard, exemplified by Beethoven’s *Moonlight*.

ANSWER: **piano sonata** [prompt on sonata]

1. The recoil force on a moving charged particle, known as the Abraham–Lorentz force, is proportional to the derivative of this quantity. The power emitted by a non relativistic point charge is proportional to charge squared times this quantity squared divided by the speed of light cubed. Torque can be written as the moment of inertia times one form of this quantity. That angular form of this quantity is equal to its tangential form divided by the radius. The derivative of this quantity is known as the jerk. At the surface of the earth, this quantity is equal to 9.8 meters per second squared. For 10 points, name this quantity equal to the rate of change of velocity.  
   ANSWER: **acceleration** [accept linear **acceleration** or angular **acceleration**, prompt on a]
2. In J. D. Salinger’s story “Teddy,” the title character recites two of these works to Nicholson, and then tells him that “they’re not full of a lot of emotional stuff.” The narrator of one of them kills an ant, and then realizes his children were watching. Sixty of these works which were submitted to a writing contest appear in *The Seashell Game.* One of these works about a thatched hut appears at the beginning of a travelogue containing many of them, titled *The Narrow Road to the Deep North.* Another one of these works notes the silence before and after “a frog jumps into the pond.” For 10 points, name these three-line, seventeen-syllable long poems mastered by the Japanese poet Bashō.

ANSWER: **haiku** [or **hokku**]

1. One thinker from this country believed that the religion of early societies progressed from fetishism, to polytheism, to monotheism. Another thinker from this country defined society’s coercive power over people as "social facts" which arise from the **[read carefully]** collective *consciousness*. This country is home to a thinker who claimed that societal evolution progresses through theological, metaphysical, and positive stages. Differences between Protestants and Catholics and the influence of social integration were analyzed by a thinker from this country as being influences on a phenomenon whose egoistic and anomic types he enumerated. For 10 points, name this country home to Auguste Comte and the author of *Le Suicide*, Émile Durkheim.

ANSWER: **France** [accept the **French** Republic or Republique **Francaise**]

1. A particularly eccentric leader of this country bathed in dolphin blood to preserve his youth and changed the currency to denominations divisible by nine. About 138,000 people in this country died after it was hit by Cyclone Nargis. The popular 8888 Uprising in this country was crushed by SLORC, which ruled this country until 2011. This country’s “Way to Socialism” was advocated for by its dictator Ne Win. Many protests have taken place near Shwedagon Pagoda in this country, which moved its capital to the new planned city of Naypyidaw in 2006. For 10 points, name this Southeast Asian country, whose military junta was opposed by Aung San Suu Kyi.

ANSWER: Union of **Burma** [or Republic of the Union of **Myanmar**; or *Pyidaunzu Thanmăda* ***Myăma*** *Nainngandaw*]

1. This artist’s depiction of a young shepherdess was painted over his controversial *Captivity of the Jews in Babylon*. A waning gibbous moon shines on a dark landscape where many of the title creatures are herded in this artist’s *The Sheepfold*. X-rays revealed that a small coffin was painted over by a basket in one of this artist’s paintings. That painting by this artist depicts two farmers bowing their heads and was originally titled *Prayer for the Potato Crop*. Along with Camille Corot, this man was a prominent member of the Barbizon School. For 10 points, identify this French Realist artist of *The Angelus* who depicted three women picking wheat in *The Gleaners*.

ANSWER: Jean-François **Millet**

1. This scientist is the first namesake of an effect that describes how charged particles distribute themselves unevenly across a semipermeable membrane. This scientist proposed a paradox about the increase in entropy when two containers of an ideal gas are mixed. He developed a law that states that the number of degrees of freedom of a system is equal to the number of components, plus the number of phases, minus two. A quantity named for him is equal to enthalpy minus the product of entropy and temperature. For 10 points, name this scientist who names a quantity that predicts the spontaneity of a reaction, known as his “free energy.”

ANSWER: Josiah Willard **Gibbs**

1. In Japanese Buddhism, this ceremony is the only time when two people may use chopsticks to hold the same item. Jews prepare for this ceremony by *taharah*, usually performed by a *chevra kadisha*. In order to prevent polluting the sacred elements of earth and water, Zoroastrians use Towers of Silence in this ceremony. After Vatican II, Catholic masses accompanying this event usually do not include the *Libera Me* or the *Dies Irae*. This event in Judaism begins a period of seven days in which the family of the subject sits shiva, wearing clothes that they have torn. For 10 points, name this type of ceremony in which a deceased person is often buried in Christian tradition.

ANSWER: **funeral**s

1. The title character of one of this composer’s operas, a rare coloratura contralto, is forced to contend with a wicked stepfather named Don Magnifico. Military snare drum rolls open the overture of an opera by this man in which the female lead delivers the aria “*Deh! tu reggi in tal momento*” from a scaffold, before being saved by the announcement that a silver fork has been found. The final opera by this composer of *La Cenerentola* centers on a man who defends his son Jemmy from the Austrian governor Gesler and opens with an overture containing a *galop* called “March of the Swiss Soldiers.” For 10 points, name this Italian composer of *The Thieving Magpie*, *William Tell*, and *The Barber of Seville*.

ANSWER: Gioachino Antonio **Rossini**

1. In a festival honoring this deity, a representation of him was carried in the Neshmet bark from his temple to another site in his cult center of Abydos. He was usually depicted wearing a crown with two ostrich feathers, the Atef crown. This “Foremost of the Westerners” was tricked into lying in a box which was then floated down a river until it landed in Byblos, where a tamarisk tree grew around it. He carried the crook and flail, which became the symbols of the pharaohs. This god’s wife revived him temporarily after his death in order to conceive Horus, who avenged his death. For 10 points, name this Egyptian god of the dead and husband of Isis, who was killed by Set.

ANSWER: **Osiris** [or **Asar**; or **Wesir**; or **Usir**]

1. In a play written in this language, the family patriarch molests a maid who had rigged a clock to chime prematurely. In another play in this language, a locksmith sells his anvil to cover his late wife’s funeral. That play concludes with an alcoholic actor hanging himself, and Luka wandering away from the title location. This language was used to write the play *Woe from Wit,* as well as a novel in which a character dies of typhus after botching an autopsy. That novel centers on Arkady Kirsanov’s nihilist friend, Yevgeny Bazarov. For 10 points, name this language used in *The Lower Depths* and *Fathers and Sons,* which were written by Maxim Gorky and Ivan Turgenev.

ANSWER: **Russian** [or ***russkij*** *jazyk*]

1. Thomas Maule vocally opposed this event, writing a pamphlet accusing it of miscarriage of justice. Because he refused to plead either guilty or innocent in this event, Giles Corey was executed by being crushed by large rocks on top of him. Cotton Mather supported the usage of “spectral evidence” to establish the guilt of people involved in this event, which he later defended in *Wonders of the Invisible World*. Twenty people were executed in this event because they allegedly tormented local people using supernatural means. For 10 points, name this mass hysteria of people performing “sorcery” in late seventeenth century Massachusetts, which was fictionalized by Arthur Miller in *The Crucible*.

ANSWER: **Salem** witch trials [prompt on just witch trials]

1. A work titled for this subject argues that one must compete in order to win at the Olympics, rather than simply being present, in order to illustrate the importance of *energeia*, or “being-at-work.” That work develops this subject by arguing that actions should be taken in pursuit of *kalos*, usually translated as the “noble” or “beautiful,” and contains a passage contrasting courage with both foolhardiness and cowardice. Following the golden mean is necessary to attain ultimate happiness or eudaimonia according to the “virtue” form of this subject. For 10 points, name this subject of an Aristotle work named for his son Nicomachus, a branch of philosophy dealing with morality.

ANSWER: **ethics** [accept *Nicomachean* ***Ethics***]

1. Cells that secrete this hormone contain a unique ATP-sensitive potassium channel with a SUR1 subunit. The effects of Growth hormone are exerted by stimulating production of a growth factor named after this other hormone. GIP and GLP1 are examples of incretins which stimulate its secretion. It is co-secreted with amylin and the C-peptide. This hormone stimulates glycogen synthesis and induces the translocation of GLUT4 channels to the cell membrane of muscle and fat cells, allowing for increased glucose uptake. For 10 points, name this hormone released by the beta cells of the pancreas that is responsible for lowering blood sugar whose deficiency leads to type I diabetes.

ANSWER: **insulin**

1. In this city, the ruling monarch of its country lives in the Royal Palace of Laeken. Miniature models of many attractions around Europe are located near a steel building in this city that is a huge cube meant to depict a unit cell of an iron crystal and was built for the 1958 World’s Fair. Guildhalls surround this city’s main square, the Grand Place, near a small sculpture of a boy peeing into a fountain. The Council of the EU, the European Commission and the headquarters of NATO are all located in this city, which is located in a primarily French-speaking enclave in Flanders. For 10 points, name this *de facto* capital of the European Union, the capital of Belgium.

ANSWER: **Brussels** [or City of **Brussels**; or *Ville de* ***Bruxelles***; or *Stad* ***Brussel***; or **Brussels**-Capital Region; or *Région de* ***Bruxelles****-Capitale*; or ***Brussels*** *Hoofdstedelijk Gewest*]

1. In a poem by this writer, the speaker observes a personification of Murder feeding his bloodhounds human hearts. That poem’s title subject “wore a kingly crown,” and bore a mark that read “I AM GOD, AND KING, AND LAW!” This poet edged out Horace Smith in a competition with a submission that tells of a “hand that mocked” and a “heart that fed.” This poet titled his response to the Peterloo massacre “The Masque of Anarchy,” and wrote about “the breath of Autumn’s being” in a poem that asks: “If Winter comes, can Spring be far behind?” For 10 points, name this poet of “Ode to the West Wind,” who exhorted: “Look on my Works, ye Mighty, and despair!” in “Ozymandias.”

ANSWER: Percy Bysshe **Shelley**

1. Along with Eberhard and Gilbert, this ruler’s younger brother Henry launched a rebellion against him that was crushed at the Battle of Andernach. The second volume of the *Res Gestae Saxonicae* by the historian Widukind of Corvey chronicles the reign of this ruler. After Berengar of Ivrea and his son Adalbert threatened to attack Rome, the pope called for this man’s aid, leading to him gaining his most prominent position. This ruler finally stopped marauding Magyar hordes from ravaging Western Europe by winning the 955 Battle of Lechfeld. This man’s coronation in 962 by Pope John XII marked the beginning of the First Reich. For 10 points, name this first Holy Roman Emperor.

ANSWER: **Otto I** [or **Otto** the **Great**; prompt on Otto]

1. For a topological manifold, this operation is said to be defined for all orders provided the existence of a smooth atlas with smooth transition maps. Functions that satisfy the Cauchy–Riemann equations can undergo a type of this process. For multivariable functions, taking this operation with respect to one variable is commutative under Schwartz’ theorem and is called the “partial” form of this operation. For single variable functions, taking this operation at a point provides the slope of the tangent line at that point. For 10 points, identify this mathematical operation whose inverse is integration.

ANSWER: **differentiation** [or taking a **derivative**, or **deriving**; accept partial **differentiation**]

**Bonuses**

1. This figure’s appearance will be signalled by black standards appearing from Khorasan. For 10 point each:

[10] Name this “rightly guided one” that will establish a final caliphate after defeating the enemies of the Prophet. Twelver Shia Muslims believe that the twelfth and last imam will reappear as this figure.

ANSWER: **Mahdi**

[10] The coming of the Mahdi is part of a series of events that will eventually culminate in this event at the end of the world, during which the resurrected dead will be each sent either to paradise or to hell.

ANSWER: Day of **Judgment** [or ***Yawmuddin***; or Last **Judgment**]

[10] This figure will help the Mahdi defeat Al-Masih ad-Dajjal, the false messiah, and he will succeed the Mahdi after his death. This figure and Enoch were the only two prophets not to have died, instead being assumed into heaven.

ANSWER: **Jesus** Christ [or **Isa** ibn Maryam]

1. In this film, a woodcutter steals an expensive pearl-handled dagger to provide for an abandoned baby. For 10 points each:

[10] Name this film. Its frame narrative features the woodcutter, a commoner, and a priest discussing conflicting stories about a murder while taking shelter from a storm underneath the title gate.

ANSWER: ***Rashomon***

[10] Rashomon was directed by Akira Kurosawa, a director from this nation. Kurosawa based his film *Seven Samurai* on this nation’s Sengoku period.

ANSWER: **Japan**

[10] This actor played the bandit Tajomaru in *Rashomon*. Although Kurosawa admired this man’s acting ability, they had a fall-out near the end of their careers, which led to this man not appearing in any of Kurosawa’s final films.

ANSWER: Toshiro **Mifune**

1. In the second novel in this series, a soldier disappears after diving to explore the wreck of a minesweeper. For 10 points each:

[10] Name this series, which includes *Cat and Mouse* and *Dog Years*. The diminutive narrator of the first novel in this series turns to Sister Dorothea after his love for Maria goes unrequited.

ANSWER: ***Danzig*** *Trilogy* [or ***Danziger*** *Trilogie*]

[10] Oskar Matzerath appears in *The Tin Drum*, the first novel in this German author’s *Danzig Trilogy.*

ANSWER: Günter Wilhelm **Grass**

[10] In *The Tin Drum,* Oskar’s father Alfred is shot during a seizure brought on by choking on this object, which he had attempted to swallow rather than burying it near a bunch of potatoes.

ANSWER: his **Nazi** party **pin** [accept Nazi **party pin**; accept **badge** for "pin"]

1. This man removed the United States from the gold standard while serving as Secretary of the Treasury. For 10 points each:

[10] Name this former Governor of Texas who was wounded while riding with John F. Kennedy when Kennedy was assassinated in Dallas.

ANSWER: John Bowden **Connally**, Jr.

[10] Despite being a Democrat, Connally served as Secretary of the Treasury for this Republican president, who resigned following the Watergate scandal.

ANSWER: Richard Milhous **Nixon**

[10] Connally switched parties and unsuccessfully tried to gain the Republican nomination for president during this election year. Ted Kennedy and John Anderson also failed to gain their parties’ backing during this year.

ANSWER: Election of **1980**

1. According to the Bolzano–Weierstrass theorem, every bounded sequence has a subsequence with this property. For 10 points each:

[10] If a sequence tends to a limit, then it is said to have this property. For series, proving this property frequently involves tests like the root and ratio tests.

ANSWER: **convergence** [accept word forms like **convergent**]

[10] According to a namesake convergence theorem, if a sequence is bounded and has this property, then it converges. Specific types of this property include increasing, decreasing, non-increasing, and non-decreasing.

ANSWER: **monotone** [accept word forms like **monotonic** or **monotonicity**]

[10] A theorem named for this man states that if a series is conditionally convergent its terms can be rearranged into a sequence that converges to any given value. He also names a hypothesis concerning the zeroes of the zeta function.

ANSWER: Bernhard **Riemann** [or Georg Friedrich Bernhard **Riemann**]

1. Pass laws were established as part of this system to limit the autonomy of blacks. For 10 points each:

[10] Name this South African racial segregation system.

ANSWER: **apartheid**

[10] Along with Nelson Mandela, this last president of apartheid South Africa won a Nobel Peace Prize for his role in ending apartheid.

ANSWER: Frederik Willem **de Klerk**

[10] De Klerk belonged to this political party, which under Daniel Francois Malan, implemented apartheid in 1948. This party ruled South Africa throughout the apartheid era.

ANSWER: **National** Party [or **Nasionale** Party]

1. The temperature-dependence of this region is predicted by Varshnis’ empirical relation. For 10 points each:

[10] Name this energy range in a semiconductor, located between the valence and conduction bands, in which no electron states can exist.

ANSWER: **band gap**

[10] These circuit components consist of a junction between a p-type and n-type semiconductor. Their light- emitting varieties are much more efficient than incandescent bulbs, and they only let current pass in one direction.

ANSWER: **diode**s

[10] This diatomic compound, whose hardness rivals that of diamond, has a relatively large band gap due to its reduced electron delocalization. Its crystal lattice is isoelectronic to a carbon lattice

ANSWER: **boron nitride** [or **BN**]

1. A system theorized by this thinker includes factors such as intensity, duration, certainty and propinquity. For 10 points each:

[10] Name this philosopher who described a possible way to measure happiness with his “felicific calculus” in *An Introduction to the Principles and Morals of Legislation*.

ANSWER: Jeremy **Bentham**

[10] Jeremy Bentham envisioned the *pannomion*, a legal code based on this philosophy also propounded by John Stuart Mill. It is commonly simplified to “the greatest happiness for the greatest number of people.”

ANSWER: **utilitarian**ism

[10] In *A Fragment on Government*, Bentham criticized this thinker’s interpretations of the law for adhering too much to tradition instead of reason. This man wrote *Commentaries on the Laws of England*.

ANSWER: William **Blackstone**

1. The protagonist of this video game series has his life changed when his home, Destiny Island, is attacked by monsters known as Heartless and he is separated from his friends Riku and Kairi. For 10 points each:

[10] Name this video game series based on the adventures of Sora, who wields a keyblade. Many *Final Fantasy* and Disney characters feature prominently in this series.

ANSWER: ***Kingdom Hearts*** [or ***Kingudamu Hātsu***]

[10] This Utada Hikaru song, whose chorus asks “walk away, you don’t hear me say please / oh baby, don’t go” serves as the main theme for the first *Kingdom Hearts* game.

ANSWER: “**Simple and Clean**”

[10] This rival of Sephiroth, the protagonist of *Final Fantasy VII*, battles Sora when he arrives in the Olympus Coliseum. He wields a massive sword wrapped in what appear to be bandages.

ANSWER: **Cloud** Strife

1. This document was intended to be “a red rag on the Gallic bull.” For 10 points each:

[10] Name this document sent by Wilhelm I in the namesake spa town that was edited to be condescending and insulting to the French, who were so enraged by it that they declared war on Prussia five days later.

ANSWER: **Ems** Dispatch [or *Dépêche d’****Ems***; or ***Emser*** *Depesche*]

[10] The Ems Dispatch described a brief interaction between Wilhelm I and French ambassador Count Benedetti about the accession of Leopold of this house to the Spanish throne. All rulers of the German Empire belonged to this house.

ANSWER: House of **Hohenzollern**

[10] The Ems Dispatch was edited by no other than this “Iron Chancellor,” the master of *realpolitik* and architect of German unification.

ANSWER: Otto von **Bismarck** [or Otto Eduard Leopold, Prince of **Bismarck**, Duke of Lauenburg]

1. Levinthal’s paradox states that this process must occur through a series of metastable intermediates, or it would take an impossibly long time. For 10 points each:

[10] Name this process in which chaperones create stabilizing interactions like disulfide bonds in a polypeptide chain.

ANSWER: **protein folding**

[10] These chaperone proteins, usually produced during elevated temperature conditions, stabilize protein folding in stressful states. They are usually named according to their molecular weight in kilodaltons.

ANSWER: **heat shock** proteins [accept **HSP**s]

[10] Chaotropic agents like this molecule can interfere with protein folding. The primary form of nitrogen disposal in mammals, it is formed by a namesake cycle in the liver whose intermediates include ornithine and citrulline.

ANSWER: **urea**

1. This character’s wife reads the article “Sex Is Fun—Or Hell” as she waits for the phone operator to connect her to her mother. For 10 points each:

[10] Identify this character who spends the afternoon on the beach with Sybil Carpenter. Later, he returns to his hotel room, sits down next to his sleeping wife, and shoots himself in the head.

ANSWER: **Seymour** Glass [prompt on Glass]

[10] Seymour appears in this J. D. Salinger story, in which he tells Sybil Carpenter of imaginary creatures that swim into holes and eat so much fruit that they bloat and die of a terrible fever.

ANSWER: “A **Perfect Day for Bananafish**”

[10] Two years before he included “A Perfect Day for Bananafish” in his collection *Nine Stories*, J. D. Salinger wrote this novel about the phony-hating Holden Caulfield.

ANSWER: *The* ***Catcher in the Rye***

1. Bosch’s treatment of this scene features a dilapidated shack with many onlookers peering through holes in the wall under a blue and yellow sun. For 10 points each:

[10] Identify this artistic scene. This Nativity scene often depicts the baby Christ receiving gifts of gold, frankincense, and myrrh.

ANSWER: **Adoration of the Magi**

[10] This artist’s *Adoration of the Magi* includes portraits of Cosimo, Piero, and Giovanni de’ Medici. This artist also painted *The Birth of Venus* and *Primavera*.

ANSWER: Sandro **Botticelli** [or Alessandro di Mariano di Vanni **Filipepi**]

[10] This Botticelli work is the only one he ever signed. In this painting, supposedly based on a sermon by Savonarola, a slumped-over Joseph is next to a crying and unclothed baby Christ.

ANSWER: *The* ***Mystical Nativity***[accept *The* ***Mystic Nativity***]

1. Name some key players in the Mexican Revolution, for 10 points each.

[10] The Mexican Revolution began as a revolt against this longtime dictator, who ruled Mexico from 1876 to 1911.

ANSWER: Porfirio **Díaz** [or José de la Cruz Porfirio **Díaz** Mori]

[10] This American president intervened in the Mexican Revolution with actions such as the occupation of Veracruz. This president entered the United States into World War I after Mexico received the Zimmermann Telegram.

ANSWER: Thomas Woodrow **Wilson**

[10] This president of Mexico was the recipient of the Zimmermann Telegram. This man, who gathered a commission to draft the Constitution of 1917, overthrew Victoriano Huerta with the help of Pancho Villa and Emiliano Zapata.

ANSWER: Venustiano **Carranza** [or José Venustiano **Carranza** Garza]

1. In Aztec mythology, this animal was thrown in Tecciztecatl’s face because he stepped back from jumping into a fire. For 10 points each:

[10] Name this animal. In Chinese mythology, it accompanies Chang’e and pounds the ingredients for the elixir of immortality for her.

ANSWER: **rabbit** [or Jade **Rabbit**]

[10] The Jade Rabbit lives at this location with Chang’e. Chang’e floated to this location after drinking too much of an elixir of immortality originally intended for her husband Houyi.

ANSWER: the **moon**

[10] This Shinto moon god was so disgusted at seeing an exquisite meal vomited from the mouth of the Uke-Mochi that he killed her. In response, Amaterasu moved over in the sky so that she would not face him again.

ANSWER: **Tsukuyomi** [or **Tsukuyomi**-no-Mikoto]

1. The Caine Prize is a yearly accolade awarded to an outstanding short story author from this continent. For 10 points each:

[10] Identify this continent, whose postcolonial authors include Ayi Kwei Armah, Tayib Salih, and Nuruddin Farah.

ANSWER: **Africa**

[10] This Kenyan author’s English-language novels include *A Grain of Wheat* and *Petals of Blood,* whereas novels written in his native Gikuyu include *Wizard of the Crow.*

ANSWER: **Ngũgĩ** wa Thiong’o

[10] This West African country’s literary tradition includes *So Long a Letter,* written by Mariama Ba, and *God’s Bits of Wood,* written by author and director Ousmane Sembene.

ANSWER: Republic of **Senegal** [or *République du* ***Sénégal***]

1. This leader was once suspected of being an informant with the codename “Bolek” for his country’s secret police force. For 10 points each:

[10] Name this leader of the trade union Solidarity, who participated in the Round Table Talks with his country’s communist government led by Wojciech Jaruzelski.

ANSWER: Lech **Wałęsa** (“va-wen-sa”)

[10] Walesa was the first democratically elected president of this country. This country fell into the Soviet sphere of influence after the Red Army captured cities like its capital Warsaw.

ANSWER: Republic of **Poland** [or *Rzeczpospolita* ***Polska***]

[10] Walesa led a strike at the Lenin Shipyards in this city following the firing of Anna Walentynowicz. During the interwar period, this city was a “Free City” located at the tip of Poland’s narrow corridor to the Baltic Sea.

ANSWER: **Gdańsk** [or **Danzig**]

1. “*Urlicht*,” one of this composer’s settings of poems from *Des Knaben Wunderhorn*, was later modified and inserted into his second symphony. For 10 points each:

[10] Name this composer. His G major fourth symphony opens with sleigh bells and contains thematic material from “*Das himmlische Leben*,” another song from *Des Knaben Wunderhorn*.

ANSWER: Gustav **Mahler**

[10] This Mahler symphony in E-flat major is notable for its unusual two-movement structure: the first is a setting of a ninth-century Latin hymn, and the second is a setting of the ending of Goethe’s *Faust*.

ANSWER: Symphony No. **8** [or ***Symphony of a Thousand***]

[10] The symphony of this number by Mahler is the longest symphony in the standard repertoire, at over ninety minutes in length. The symphony of this number by Beethoven is called *Eroica*.

ANSWER: Symphony No. **3** [or **third** symphony]

1. The Fenske equation can be used to calculate the minimum number of these entities required to separate a binary mixture by a fractionating column refluxing. For 10 points each:

[10] Name these hypothetical stages that represent a region in which two phases in the process of being separated establish an equilibrium.

ANSWER: **theoretical plate**s [accept **equilibrium stage** or **ideal stage** or **theoretical tray**]

[10] The number of theoretical plates must be accounted for when performing this process in which a liquid mixture is repeatedly vaporized and condensed to separate its two components.  
ANSWER: **distillation** [accept different forms of distillation like fractional **distillation** or steam **distillation**]

[10] Distillation is based on this law, which predicts that in a binary mixture, the gas phase has more of the component with a lower vapor pressure. This law relates the partial pressure of a component to its mole fraction.  
ANSWER: **Raoult**’s law

1. This person praised Geoffrey Hill as “the strong British poet now active” near the end of his life. For 10 points each:  
   [10] Identify this prominent literary critic, who included twenty-six authors he thought best exemplified the title corpus of works in his 1994 book *The Western Canon.*

ANSWER: Harold **Bloom**

[10] This early author was the third included by Bloom in *The Western Canon.* This author included himself as one of the pilgrims embarking on a journey from the Tabard Inn in his collection *The Canterbury Tales.*

ANSWER: Geoffrey **Chaucer**

[10] This Portuguese writer included in *The* *Western Canon* wrote his works under various aliases he termed “heteronyms.” One such heteronym, Bernando Soares, was used by this poet to write *The Book of Disquiet.*

ANSWER: Fernando **Pessoa** [or Fernando António Nogueira **Pessoa**]

1. While influenced by this substance, the narrator nearly gets in a carriage accident in the second part of the essay “The English Mail-Coach.” For 10 points each:

[10] Identify this substance whose name appears in an 1821 account, whose second section is divided into parts about this stuff’s “Pleasures” and “Pains.”

ANSWER: **opium** [accept **laudanum**; prompt on alcohol with: “and what else?”]

[10] That account appears in this writer’s *Confessions of an English Opium-Eater.* This English essayist included a “Palimpsest of the Human Brain” in his *Suspiria de Profundis.*

ANSWER: Thomas Penson **De Quincey**

[10] De Quincey also wrote an essay titled for the “Knocking at the Gate” scene from this play. That scene concludes Act II, scene 2 of this play, after the title character and his wife murder King Duncan.

ANSWER: *The Tragedy of* ***Macbeth***