

## Tossups

1. **This painting was the centerpiece of a Met exhibit commemorating the 400th anniversary of Henry Hudson's voyage. Removed from this painting was a large map covering the wall and a basket of clothes in the bottom right, leaving only one hanging basket and a shiny copper container. A blue cloth hanging off the table in this painting echoes the blue cloth wrapped around its subject's waist. A cupid aiming a bow can be seen on a porcelain tile next to a (\*) foot warmer, which subtly hints at the sexual arousal of its female subject. An array of breads sits waiting to be made into pudding, next to a clay bowl that its subject is using. This painting depicts a woman wearing a white headdress and a yellow shirt with her sleeves rolled up. For 10 points, name this Vermeer painting of a woman pouring a dairy liquid.**  
ANSWER: *The Milkmaid* [or *Het Melkmeisje*; or *De Melkmeid*]
2. **The Treaty of Melno resulted in this group's cessation of Samogitia, which was in dispute during the Gollub War. This non-Hanseatic group bought a territory from Valdemar IV after the St. George's Night Uprising, and ousted the Victual Brothers from the island of Gotland. This group's conquests were recognized in the Golden Bull of Rimini, and also established the Terra Mariana. It was defeated on (\*) Lake Peipus at the Battle of the Ice by Alexander Nevsky. This group signed the Peace of Thorn after the combined forces of Jogaila and Vytautas the Great defeated it during the Thirteen Years War. For 10 points, name this group that was defeated at the Battle of Grunwald under Ulrich von Jungingen, a group of crusading German Knights.**  
ANSWER: Teutonic Knights
3. **The mineral that constitutes this rock has three polymorphs, of which vaterite is the least common. The Trona Pinnacles in California are made of a type of this rock that precipitated when saturated groundwater interacted with alkaline lake water. The Colosseum was built from a form of this rock known as travertine, while coquina is a type of this rock whose name refers to the (\*) shells of marine creatures that constitute it. Precipitation of the minerals that make up this rock is driven by degassing of carbon dioxide, resulting in the formation of speleothems in many caves. For 10 points, name this type of rock that erodes to form karsts, metamorphoses into marble, and is primarily made of aragonite and calcite.**  
ANSWER: limestone
4. **A character in this novel describes how a farmer had built a restaurant for his mistress, but she had run away with another man, leaving the farmer's wife to operate the restaurant bearing the mistress's name. At the beginning of this novel, the protagonist uses a mirror to stare into the eye of a beautiful young girl caring for a sick man on a train. In a scene in this novel, a character sings "Dark Hair" in a childish voice while playing the (\*) *samisen*. At its end, a cocoon warehouse, which had been converted into a movie theatre, burns down, and Yukio's former caregiver leaps to her death. The protagonist is an expert in western ballet despite never having seen one performed. For 10 points, name this novel centering on the romance between Shimamura and the geisha Komako, by Yasunari Kawabata.**  
ANSWER: Snow Country [or Yukiguni]
5. **This philosopher rejected democratic electoral systems on the grounds that they divide the populace by geography, instead of by economic sectors, each of which he thought should be represented by a "corporation". This philosopher argued that, though private property defines individuality, it is not a natural right, but rather a socially constructed "mutual recognition" and therefore an (\*) "abstract right". He posited a relationship in which a superior's self-consciousness is dependent on an inferior's recognition. This author of *Elements of the Philosophy of Right* discussed the master-slave relationship in a work that introduced his namesake three-part dialectic. For 10 points, name this German Idealist philosopher of *The Phenomenology of Spirit*.**  
ANSWER: Georg Wilhelm Friedrich Hegel

6. One character in this novel purchases a projector and several reels of cartoons, which he brings to his friend in the hospital. Another character in this novel is falsely arrested by a sheriff's deputy for drunkenness, while attempting to visit a judge on behalf of his son, whose feet were amputated in prison. A third character in this novel accidentally shoots Lucille's daughter with a rifle. That character's sister has sex with a character whom she often mocks for being (\*) Jewish, Harry Minowitz. In this novel, the maid Portia is the daughter of the black doctor Benedict Copeland. Jake Blount and Biff Brannon befriend the central character, who commits suicide after his mentally ill friend Spiros Antonopoulos dies. For 10 points, name this novel centering on the deaf-mute John Singer, by Carson McCullers.

ANSWER: *The Heart is a Lonely Hunter*

7. This man described the feeling of living and cooperating in a community as "social interest," a lack of which can be seen in his "ruling," "getting," and "avoiding" types of lifestyles. This man used the term "masculine protest" to denote the desire to be a real man, an example of one of his concepts influenced by Hans Vaihinger's *Philosophy of "As If"*, known as fictional goals. This man believed that firstborn (\*) children were "dethroned" upon the arrival of a new child, and was the first to assign specific personality traits to birth order. Another of his concepts is a construct that arises as a result of being unable to cope with feelings of helplessness and inadequacy. For 10 points, name this author of *The Neurotic Character* who coined the term "inferiority complex."

ANSWER: Alfred Adler

8. Instead of weapons, Brahma carries a group of these items called his "eyes." In Greek Orthodoxy, these objects appear on komboskini. In Tibetan Buddhism, the most important of these items is called the "guru" one. In Hinduism, these objects are called japa mala. A form of dhikr that makes use of these items is called (\*) tasbeeh; that one, used in Islam, is the misbaha. The most famous set of these items is used to contemplate the "joyful," "sorrowful," "glorious," and "luminous" mysteries. In that ritual, these items are used to pray fifteen decades. For 10 points, name these ritual items that Catholics use to count the rosary.

ANSWER: prayer beads

9. This compound and a base are added to convert a hydroxylated ortho- or para-phenyl aldehyde into a benzenediol and a carboxylate in a reaction named for Dakin. Though its crystals are tetragonal, in the gaseous phase this compound displays a twisted C<sub>2</sub> symmetry and has an unusually high barrier of rotation of 29.45 kilojoules per mole about its central bond. The most common way to transform a sulfide into a sulfoxide is by treating it with this compound. Biologically, (\*) halogenation reactions are facilitated by enzymes that use it as an oxidant. In organic chemistry, the reagent mCPBA serves the purpose of this much simpler compound. This is the simplest compound to contain an oxygen-oxygen single bond. For 10 points, name this compound commonly used to disinfect cuts, which has formula H<sub>2</sub>O<sub>2</sub>.

ANSWER: hydrogen peroxide [or H2O2 until it is read]

10. A man who held this Cabinet position was investigated for making payments to his former mistress Linda Medlar. Another man's tenure in this role was marked by his tumultuous relationship with former political rival President Richard Nixon, who disliked that Michigan Republican's liberal "Operation Breakthrough" proposal. This position is currently held by a former Mayor of (\*) San Antonio noted for his lively 2012 keynote address at the Democratic National Convention. It was the first new Cabinet position created in the Lyndon Johnson administration, and its initial holder was the first black Cabinet member, Robert Weaver. For 10 points, name this Cabinet position currently held by Julian Castro, whose office tries to increase homeownership and community development.

ANSWER: Secretary of Housing and Urban Development [or HUD Secretary]

11. **Until 2009, politicians in this country could use “floor crossing” to switch parties, a practice used by a mayor who blew the whistle on the Strategic Defense Acquisition here. This country’s Economic Freedom Fighters party is disproportionately supported by its politically apathetic “born free” generation. The founder of The Elders is from this country, where a strike by Lonmin workers resulted in the death of 34 (\*) miners during the Marikana massacre. Indians and Chinese have been oddly favored by a program of “Economic Empowerment” in this country, where Helle Thorning-Schmidt and Barack Obama were criticized for taking a selfie at a funeral for a leader who escaped from Robben Island. For 10 points, name this country home to Desmond Tutu and Nelson Mandela.**  
ANSWER: Republic of South Africa
12. **The title characters of a poem by this author climb “the slopes of the cutting” until they see “telegraph poles” curving for miles, and feel so small that they “could stream through the eye of a needle.” This author of “Railway Children” mentioned Diodorus Siculus’s “gradual ease” in a poem inspired by the decapitated head of a girl. In another poem by him, a boy fills (\*) “jampots” with “jellied specks” before a host of frogs “gathered for vengeance” scare him away. The speaker of a poem by him sees his father crying on the porch and his mother coughing “angry tearless sighs,” before describing a coffin that is “four foot” long, “a foot for every year.” For 10 points, name this Irish author of “Strange Fruit”, who included “Mid-term Break” in his anthology *Death of a Naturalist*.**  
ANSWER: Seamus Heaney [or Seamus Justin Heaney]
13. **A work by this composer begins with the strings building up the following chord in ascending order, with each pitch played eight times before the next entry: F, G, D-flat, B-flat. This composer’s music is organized in the Ryom-Verzeichnis catalog system. Ferdinand III was the dedicatee of his set of twelve Concerto Grossi for 1, 2 and 4 solo violins. A collection of this composer includes concertos titled *The* (\*) *Sea Storm* and *The Hunt*. Another collection by him is titled *L’Estro armonico*. Depictions of a cuckoo, a hailstorm, and a shepherd’s dog are included a series of violin concertos by him that were accompanied by sonnets that he wrote. For 10 points, name this Italian Baroque composer whose *Contest Between Harmony and Invention* includes *The Four Seasons*.**  
ANSWER: Antonio Vivaldi
14. **This person’s predecessor was deposed in the Mutiny at Aranjuez, and he lost power after the Treaty of Valencay. Late in life, this person retired to Point Breeze, New Jersey, where he became close friends with Nicholas Biddle. The *afrancesados* supported this person, partly because of the enlightened terms of his Bayonne Statute, in a war where his forces lost the Battle of Bailen. (\*) Joachim Murat succeeded this man when he abruptly left the throne of Naples. This man’s country became an “ulcer” thanks to the activities of anti-regime *guerrillas* during the Peninsular War. For 10 points, name this Corsican who ruled Spain in the early 19th century with the support of his imperial brother.**  
ANSWER: Joseph Bonaparte [or King Joseph I; prompt on “Bonaparte”]
15. **Enzymes of this type with Rev3 catalytic subunits partake in translesion synthesis. Xeroderma pigmentosum is caused by a mutation in the eta member of this enzyme family. PCNA is an example of a sliding clamp protein, which holds these enzymes in place to prevent them from falling off of their substrate. Subtilisin’s cleavage of them yields the Klenow fragment, and they are used to incorporate chain-terminating ddNTPs in Sanger sequencing. They possess (\*) proofreading capabilities and 3-prime to 5-prime exonuclease activity. Pfu and Taq are examples of them used in a common laboratory procedure. For 10 points, name these enzymes that add nucleotides to the 5-prime end of a growing DNA strand in replication, which can be used to amplify DNA in a namesake “chain reaction.”**  
ANSWER: DNA polymerases [prompt on “polymerases” until “DNA” is read and accept afterwards; do NOT accept “RNA polymerase” or other wrong answers]

16. In an opera by this composer, a silent film plays during an interlude that is musically palindromic. He wrote an opera in which each scene is structured according to an old musical form, such as a fantasia and fugue or a rondo. In the prologue to an opera by this composer, a ringmaster refers to the title character as his prized snake. An opera by this composer introduces a leitmotif in the aria (\*) *Wir arme leut*, which plays while the main character's wife is raped at the end of Act One. In an opera by him, the same baritone plays both Dr. Schön and Jack the Ripper. The title character of an opera by him stabs Marie for her infidelities with the Drum Major. For 10 points, name this member of the Second Viennese School and composer of *Lulu* and *Wozzeck*.  
ANSWER: Alban Berg [or Alban Maria Johannes Berg]
17. The GNS construction validates the use of these spaces because it derives them as representations of positive forms on a C-star algebra. Symmetric or antisymmetric tensor products of these spaces yield a Fock space. A function from one of them to itself need only be surjective and norm-preserving to be a linear unitary operator, by Wigner's theorem; such operators represent a symmetry. These spaces can be infinite-dimensional, have (\*) an inner product, and are complete with respect to the norm induced by the inner product. They include the space of all square-integrable functions, big L 2. The observables of a quantum system, like spin and angular momentum, are represented by linear operators on them. For 10 points, identify these spaces named for the person who compiled a list of 23 unsolved problems in mathematics in 1900.  
ANSWER: Hilbert spaces [prompt on "Banach (spaces)"]
18. A character created by this author discovers signs of extraterrestrial life using a spectroscope, but is thought to be insane when his wife misreports that he used a microscope. That character is later put in a straitjacket after throwing a burning lamp at his wife. This author wrote a play in which a male character is made to jump over a riding whip twice, after which he ends his engagement with the title character. (\*) Laura fights to maintain control of her daughter Bertha from the Captain in another play by him. In a play by him, a bird's head is chopped off while two characters prepare to run away from the Count. At the end of that play, the valet Jean gives the title character a razor blade, and she leaves to commit suicide. For 10 points, name this Swedish author of *The Father* and *Miss Julie*.  
ANSWER: August Strindberg
19. In Egyptian mythology, the deification of the horizon, Aker, was depicted with two of this animal facing opposite directions. In one story, the hunter Anhur subdued one of these animals and made it his wife Mehit. Apollo fell in love with Cyrene after watching her wrestle one of them. The son of Ptah and Bast, Maahes, had the head of this animal. In the myth of the Distant Goddess, the Eye of (\*) Ra took this form and was pacified after drinking beer dyed to look like blood. One of them was born to Selene and killed by Heracles as his first labor. After having sex in a temple of Cybele, Atalanta was transformed into this animal. The fierce goddess Sekhmet took the form of this feline. For 10 points, the Sphinx possessed the body of what large cat?  
ANSWER: lions [or Sphinx until "Anhur" is read; prompt on "cat"]
20. A successor state to this empire was founded by a king named Nuhu. The ethnic group who ruled this empire first inhabited its capital city during the reign of King Kossoi. Forces of this empire lost a battle after the sound of cannons caused a cattle stampede to turn back on them. This empire was founded by a man who defeated the Dogon and Fulani near the modern-day city of Bandiagara. After the reign of this empire's King Dawud, the eunuch (\*) Judar Pasha raided its salt mines at Tagharza. Forces of this empire were lead by Ishaq II when it lost to Moroccan forces at Tondibi. This empire's capital city was Gao, and it was founded by Sunni Ali. This empire reached its height under Askia Muhammad. For 10 points, name this West African empire that succeeded the Mali Empire.  
ANSWER: Songhai Empire

## Bonuses

1. Although these things are written with indices that make them look like a tensor, it's important to know that they are not actually tensors. For 10 points each:  
[10] Identify these things used to express the derivative of a basis vector with respect to a coordinate as a linear combination of the basis vectors at the point at which the derivative is taken. They're often used to simplify the expression of the covariant derivative.  
ANSWER: **Christoffel symbols** of the second kind [or **connection coefficients**; or **Christ-awful symbols**]  
[10] Christoffel symbols play a big role in this theory, since they appear in the geodesic equation and are a component of the Levi-Civita connection. This theory of gravitation was developed by Einstein.  
ANSWER: **general relativity**  
[10] The Christoffel symbols vanish at a point in a coordinate basis that, locally, has this property. Spacetime with this property is described by a Minkowski space with signature  $(+1, -1, -1, -1)$ , and it is likely the geometry of the universe, rather than open or closed.  
ANSWER: **flat**
2. This author made headlines with the depiction of transsexuality in his novel *Myra Breckinridge*. For 10 points each:  
[10] Name this American author who wrote historical novels based on the lives of Aaron Burr and Julian the Apostate.  
ANSWER: Gore **Vidal** [or Eugene Louis **Vidal**]  
[10] Vidal claimed to have gone to a party where he accidentally sat down on an ottoman that turned out to be this author. This author wrote *Breakfast at Tiffany's* and the "true crime" novel *In Cold Blood*.  
ANSWER: Truman **Capote** [or Truman Streckfus **Persons**]  
[10] This writer coined the term "pornoviolence" in an essay criticizing the sensationalism of *In Cold Blood*. He profiled NASCAR racer Junior Johnson in his essay about the rise of stock car racing, "The Last American Hero".  
ANSWER: Tom **Wolfe** [or Thomas Kennerly **Wolfe**, Jr.]
3. After the adoption of this tactical mode of organization, Roman soldiers were organized into lines of *hastati*, *principes*, and *triarii*. For 10 points each:  
[10] Name these tactical units of a Roman legion, which consisted of 120 men each, typically organized into a formation 3 deep and 40 wide.  
ANSWER: **maniples**  
[10] The Romans adapted the manipular formation from the tactics employed by this Italic people, who dealt a massive defeat to the Romans at the Battle of Caudine Forks. This people was the largest group of the *socii* to revolt.  
ANSWER: **Samnites** [or **Samniti**]  
[10] The manipular formation replaced this formation in the Roman army. This formation was employed by both hoplites and sarissa-wielding pikemen, and was designed to project an impenetrable front of spears.  
ANSWER: **phalanx**

4. Schubert often began this section in the subdominant, and some theorists analyze certain developments by Haydn as containing “false” ones of these sections. For 10 points:  
[10] Name this section of a larger form, which may follow a retransition and usually involves the return of both the primary and secondary theme group in the tonic.  
ANSWER: **recapitulation**  
[10] The exposition, development, and recapitulation are the three main components of this musical form, which is often employed in the first movement of symphonies and in its namesake genre of solo pieces.  
ANSWER: **sonata** [or **sonata-allegro**]  
[10] This 18th-century Italian composer wrote 555 keyboard sonatas, which do not fit the aforementioned concept of sonata form. His father Alessandro was the leading composer of the Neapolitan school of opera.  
ANSWER: Domenico **Scarlatti**
5. This philosophical thought experiment is used to determine a just social contract. For 10 points each:  
[10] Name this construct, behind which people do not know their initial position in a society when determining what would be a just distribution of resources in that society.  
ANSWER: **veil of ignorance**  
[10] This philosopher developed the veil of ignorance in *A Theory of Justice*. Robert Nozick attacked the ideas of this philosopher in *Anarchy, State, and Utopia*.  
ANSWER: John Bordley **Rawls**  
[10] According to Rawls, human beings’ innate sense of justice allows us to arrive at this state of balance and coherence of beliefs, through constant adjustments of all beliefs that are in mutual conflict.  
ANSWER: **reflective equilibrium**
6. This theorist’s thesis that judges should strive to make decisions that make law more coherent is called “law as integrity”. For 10 points each:  
[10] Name this legal theorist, known for his rejection of legal positivism, and his support of an interpretivist approach to law, which seeks the “right answer”.  
ANSWER: Ronald **Dworkin** [or Ronald Myles **Dworkin**]  
[10] Andrea Dworkin is a radical feminist writer best known for her opposition to this form of media. Catherine MacKinnon attacked this form of media as discrimination in a book on it and Civil Rights.  
ANSWER: **pornography**  
[10] Gerald Dworkin is a medical ethicist known for arguing in favor of this practice, whose legality is advocated for by many “Right to Die” organizations. This practice was controversially carried out by Jack Kevorkian.  
ANSWER: **euthanasia** [or physician-**assisted suicide**; prompt on “suicide”]
7. This state is often described mathematically by taking a small cylinder and stating that the derivative of pressure with respect to length is equal to minus big G times mass times density all over length squared. For 10 points each:  
[10] Name this state in which gravitational pressure is balanced by thermal pressure from nuclear reactions in a star.  
ANSWER: **hydrostatic equilibrium** [prompt on “equilibrium”]  
[10] The Eddington limit is the maximum this quantity can be for a star in hydrostatic equilibrium. It is the total amount of energy radiated by a star per unit time.  
ANSWER: **luminosity**  
[10] A Bonnor-Ebert sphere – a sphere of isothermal gas in hydrostatic equilibrium – is often used to describe these structures, which contain very little neutral or ionized hydrogen.  
ANSWER: giant **molecular clouds** [or **dark nebulae**; prompt on “(interstellar) clouds” or “nebulae”]



8. In this play, Mr. Organ Morgan is obsessed with his music to the annoyance of his wife, and Captain Cat dreams of his dead crew members. For 10 points each:  
[10] Name this radio play by Dylan Thomas, set in the fictional Welsh village of Llareggub.  
ANSWER: **Under Milk Wood**  
[10] Edward and Flora are visited by a Matchseller in this English dramatist's radio play *A Slight Ache*. The hit-men Ben and Gus receive mysterious food orders from the title object in his *The Dumb Waiter*.  
ANSWER: Harold **Pinter**  
[10] This English writer of dark comedies first came to prominence with the radio play *The Ruffian on the Stair*. Dr. Rance's inspection of Dr. Prentice's psychiatric hospital goes horribly astray in his play *What the Butler Saw*.  
ANSWER: Joe **Orton** [or Joseph Kingsley **Orton**]
9. This region's variety of Spanish became the standard variety spoken throughout the later Spanish Empire, instead of Leonese or other dialects. For 10 points each:  
[10] Name this medieval kingdom, which was united with neighboring Aragon into Spain through the marriage of Ferdinand and Isabella.  
ANSWER: **Castile** [or **Castilla**]  
[10] This ruler of Castile was opposed in an election for Holy Roman Emperor by Richard of Cornwall. This scientifically-minded king sponsored the creation of a number of astronomical tables.  
ANSWER: **Alfonso X** [or **Alfonso the Wise**; or **Alfonso el Sabio**; prompt on "Alfonso"]  
[10] This powerful association of sheep herders was granted numerous cañadas by the kings of Castile. This organization's name originates from the mixing of animals at gatherings of medieval notables.  
ANSWER: Honrado Concejo de la **Mesta**
10. This art form is accompanied by instruments such as the suzu bell tree, the wagon zither, and the hichiriki oboe. For 10 points each:  
[10] Name this ancient Japanese dance performed at Shinto shrines.  
ANSWER: **kagura**  
[10] Many forms of kagura are performed as a way of worshipping these deities which are central to Shintoism. Amaterasu and Tsukuyomi are examples of these spirits.  
ANSWER: **kami**  
[10] Kagura is still performed at this Shinto shrine on Honshu, which contains the Sacred Mirror and which is torn down and rebuilt every twenty years.  
ANSWER: **Ise Shrine** [or **Ise jingu**]
11. The extraction of this resource has produced a major boom in the Pilbara region of Australia. For 10 points each:  
[10] Name this resource, which names the mountains that form a natural border between Saxony and Dresden.  
ANSWER: iron **ore** [or specific types of iron ores, such as **hematite**]  
[10] A different range called the Ore Mountains lies in this country, whose capital was known as Pressburg in the Habsburg Empire. This country is also home to the Tatra mountains, the highest part of the Carpathians.  
ANSWER: **Slovakia** [or the **Slovak Republic**; or **Slovensko**]  
[10] Yet another range known as the "Ore Mountains" is located in the Apuseni mountains, which form the western border of this region. This region's name is believed to come from a Latin translation of the Hungarian for "beyond the woods."  
ANSWER: **Transylvania** [or **Ardeal**; or **Siebenbürgen**; or **Erdély**]

12. A man looks out a window as the rest of his family grieves the loss of a dying girl, in a really early artwork by Henry Peach Robinson that was made using this technique and is titled *Fading Away*. For 10 points each:  
[10] Identify this photographic technique pioneered by Berlin-based artists such as Hannah Hoch and Kurt Schwitters, in which positives and negatives from different sources are printed on a single piece of printing paper.  
ANSWER: **photomontage** [prompt on “collage”]  
[10] Hoch and Schwitters belonged to the Berlin arm of this post-World War I movement developed in Zurich at the Cabaret Voltaire and later exemplified by the readymades of Duchamp.  
ANSWER: **Dada**  
[10] This pseudonymous Dada/surrealist/weird artist produced a photomontage of Picasso’s lover Dora Maar, and photographed Marcel Duchamp in drag as his alter-ego Rrose Selavy.  
ANSWER: **Man Ray** [or Emmanuel **Radnitzky**]
13. Molisch’s test detects the presence of these compounds, which are said to be “reducing” if they have aldehyde groups. For 10 points each:  
[10] Identify these compounds, broadly categorized into aldoses and ketoses, whose cyclic form can be represented using Haworth projections.  
ANSWER: **sugars** [or **monosaccharides**; or **disaccharides**; or **carbohydrates**]  
[10] A projection named for this chemist is used to categorize sugars into D– and L– stereoisomers. He also names a method of producing esters by acid catalysis of a reacting alcohol and carboxylic acid.  
ANSWER: Emil **Fischer** [or Hermann Emil Louis **Fischer**]  
[10] In this reaction, ammonia catalyzes the rearrangement of the N-glycoside of an aldose to the N-glycoside of the corresponding ketose.  
ANSWER: **Amadori** rearrangement
14. Genres of poetry that originated in this language include the *canso* (KAHN-soo) and the parodic *sirventes*. For 10 points each:  
[10] Name this language whose early poets of renown included Cercamon and Marcabru, who pioneered forms later used by Bertran de Born.  
ANSWER: Old **Occitan** [or **Provençal**]  
[10] These itinerant poets, who emerged in southern France during the Middle Ages, sang most of their courtly love poetry in Occitan. They were more refined than jongleurs or minstrels.  
ANSWER: **troubadours** [or **trobairitz**]  
[10] In this poem, the narrator sees the troubadour Arnaut Daniel walking through a wall of flame. In its main locale, visitors cannot continue climbing up the terraces once the sun has set.  
ANSWER: Dante’s **Purgatorio** [or **Purgatory**; prompt on “La Commedia” or “Divine Comedy”]
15. This rebellion was portrayed in the novel *Weep Not, Child*. For 10 points each:  
[10] Name this uprising, during which militants committed a massacre at the settlement of Lari.  
ANSWER: **Mau Mau** uprising  
[10] This British colony, the home of author Ngugi wa Thiong’o, was the site of the Mau Mau uprising.  
ANSWER: **Kenya**  
[10] During the Mau Mau uprising, this plan to promote agricultural self-sufficiency among communities was implemented. It also aimed to increase Kenya’s cash crop exports.  
ANSWER: **Swynnerton** Plan



16. *Nemeta* were typically places of worship centered around these objects. For 10 points each:  
[10] Name these things that are brought to life to form an army to do battle against Arawn near the fortress of Nefenhir in a 248-line poem from the *Book of Taliesin*.  
ANSWER: **trees** [or any specific type of tree]  
[10] This sorcerer animates the trees in order to defeat Arawn. This uncle of Lleu Llaw Gyffes (THLAY THLOU GUH-fes) features most prominently in the fourth branch of the Mabinogion and slays Pryderi in single combat.  
ANSWER: **Gwydion**  
[10] This Celtic country is the origin of the tales found in the *Book of Taliesin* and the *Mabinogion*.  
ANSWER: **Wales** [or **Cymru**; prompt on “(Great) Britain” or “United Kingdom”]
17. One of this man’s critics joked that he died “of a busted belly.” For 10 points each:  
[10] Name this politician who resigned as Secretary of State after making objections to foreign policy following the *Lusitania* sinking. He was the principal opponent of the Bourbon Democrats.  
ANSWER: William Jennings **Bryan**  
[10] Near the end of his life, Bryan served as the prosecutor in this Tennessee trial, where a teacher was put on trial for teaching the theory of evolution. It was also known as the “monkey trial.”  
ANSWER: the **Scopes** monkey trial  
[10] For much of the early 1900s, Bryan was a popular speaker on this circuit. Named after a New York lake, it promoted adult education and featured numerous cultural and religious speakers traveling throughout rural America.  
ANSWER: the **Chautauqua** circuit
18. The wasps at the top right of this painting may be a reference to the symbol of the house of Simonetta Vespucci, with whom the artist was deeply infatuated. For 10 points each:  
[10] Name this painting in which satyrs play with the helmet and lance of one of the title deities, who is in a state of blissful post-coital slumber.  
ANSWER: **Mars and Venus** [or **Venus and Mars**]  
[10] This Renaissance painter of *Mars and Venus* signed his name and included twelve angels and other bits of unusual iconography in his *Mystical Nativity*. He also enthusiastically participated in the Bonfire of the Vanities.  
ANSWER: Sandro **Botticelli** [or Alessandro di Mariano di Vanni **Filipepi**]  
[10] Mercury picks fruit, Zephyrus abducts Chloris, and the Three Graces dance in a circle in this spring-themed canvas by Botticelli.  
ANSWER: **Primavera**
19. Lander and Botstein developed the most popular method of visualizing these entities, overcoming the low power of ANOVA. For 10 points each:  
[10] Identify these DNA regions containing, or linked to, genes underlying polygenic phenotypes like skin color. These regions can be “mapped” to determine how many of them shape the phenotype of interest.  
ANSWER: **quantitative trait loci** [or **quantitative trait locus**; or **QTL**]  
[10] Each gene contributing to a polygenic phenotype assorts independently and has one allele per gamete, in accordance with this first of Mendel’s laws.  
ANSWER: law of **segregation**  
[10] QTL mapping can easily assess the tiny transgressive segregation observed in these organisms. Animals of this type, such as ligers and mules, are often sterile since their parents have different numbers of chromosomes.  
ANSWER: **hybrids**

20. Alexander Pope's work of this type was produced a decade after his rendition of an earlier work, but was half ghost-written by William Broome and Elijah Fenton. For 10 points each:  
[10] Name this type of work. Robert Fagles used the phrase "man of twists and turns" in the opening lines, for a phrase which Robert Fitzgerald rendered as "man skilled in all ways of contending".  
ANSWER: **translation** of Homer's ***Odyssey*** into English  
[10] This Russian author's *Notes on Prosody* accompanied his much-maligned translation of *Eugene Onegin*. He was responsible for the Russian translation of his own novel *Lolita*.  
ANSWER: Vladimir **Nabokov** [or Vladimir Vladimirovich **Nabokov**]  
[10] This woman was called the "Glenn Gould" of translators by Harold Bloom for her translation of *Don Quixote*. Along with Gregory Rabassa, she is the standard English translator of Gabriel Garcia Marquez.  
ANSWER: Edith **Grossman**