

### Tossups

1. The opening line of this play describes a wild hippogriff who can run as fast as the wind. A speech given by its protagonist describes how all the praise received by a ruler will float away in the air and nothing will be left when the ruler dies. At one point in this play, the protagonist throws an insolent servant off a balcony. It opens with a cross-dressing woman running into the jester Clarín, who is mistaken for the protagonist by a group of rebels who break the protagonist out of prison. At this play's end, Rosaura marries Astolfo and the protagonist marries Estrella after overthrowing his father King Basilio, who had imprisoned him in a tower. For 10 points, name this play about Prince Segismundo by Pedro Calderón de la Barca.

ANSWER: *Life Is a Dream* [or *La vida es sueño*]

2. In bacteria, cyanate induces the expression of this enzyme, which participates in a feedback loop with cyanase. The first drug in human therapy generated from structure-based rational drug design, Dorzolamide, inhibits this enzyme to treat glaucoma. In parietal cells and in osteoclasts, the AE1 protein antiports chloride and the product of the reaction catalyzed by this enzyme. It normally operates under diffusion control. The central atom of this enzyme coordinates three histidine residues and polarizes an O-H bond enough to deprotonate water. This metalloenzyme has a zinc ion at its center. It decreases the blood's pH near the lungs. For 10 points, name this enzyme vital for buffering blood, which catalyzes the conversion of carbon dioxide and water to bicarbonate ions.

ANSWER: carbonic anhydrase [or CA]

3. An event of this type resulted in the death of Crofts on horseback and in the removal of the dwarf Jeffrey Hudson from the court. A manual by "A Traveler" about "The Art of" this practice advises walking around beforehand "coolly puffing" a cigar, and Joseph Hamilton wrote "The Only Approved Guide" for it. James Gillray's "The Explanation" depicts an event of this type that involved Pitt the Younger. A claim about "the introduction of popery into every department of the state" by the Earl of Winchilsea led to an event of this type on the Battersea Fields with the Duke of Wellington. These events were assisted by men acting as seconds and took place on fields of honor. For 10 points, name these events that often involved two men standing ten paces apart firing pistols at each other.

ANSWER: duels [accept word forms]

4. This country suffered a diplomatic breakdown with Venezuela after Hugo Chavez accused its president of being a "puppy dog of the empire." Fifty-two people were killed in a 2011 attack in this country in which the Casino Royale was burned down. It dropped genocide charges against its former president Luis Echeverria in 2009. The 2006 electoral loss of the Coalition for the Good of All in this country prompted massive demonstrations in a square called the Zocalo. After his son was killed in 2011, the poet Javier Sicilia led another series of protests here. The second largest party in this country is now the PRD, whose candidate Andres Manuel Lopez Obrador challenged the results of presidential elections in both 2006 and 2012. For 10 points, name this country led by Enrique Pena Nieto.

ANSWER: Mexico

5. Supporters of a man trying to gain this office in 1872 attacked a steamboat near Palarm Creek, which was part of a conflict between the Minstrels and the Brindletails. This office was held by Democrats for 97 years until James D. Johnson lost a 1966 election. The "Lost Year" occurred when a holder of this office, which was at stake during the Brooks-Baxter War, closed a city's high schools in opposition to the Blossom Plan. Winthrop Rockefeller held this position, in which Jim Guy Tucker followed a man whose dealings with the McDougals led to the Whitewater scandal. Executive Order 10730 defied a man in this position by having the 101st Airborne escort nine students into Central High School. For 10 points, name this state-level political position held by Orval Faubus and Bill Clinton.

ANSWER: governor of Arkansas [prompt on partial answer]

6. The left of this painting shows a building with a damaged hanging sign featuring a deer, a haloed man, and the words "this is in the stag." The bottom right shows a woman pulled along on a board toward a double-arched bridge. This painting is the first in a series which also includes paintings like *The Gloomy Day* and *The Return of the Herd*. Several black birds can be seen perched among the trees placed in a receding diagonal line through this painting, which also includes a mill with a frozen water wheel and a crowd of people skating in the background. The title

group of this painting trudges back to town with their dogs and a dead fox. For 10 points, name this painting of a winter scene by Pieter Bruegel the Elder.

ANSWER: *The Hunters in the Snow* [or *Jagers in de Sneeuw*; or *The Return of the Hunters*]

7. One of these creatures named Sivushko crosses the Black Mire dramatically in the tale of Ilya Muromets. These animals accompanied representations of the Sun, Day, and Night who served Baba Yaga. Hofvarpnir and the seven-headed Uchchaihshravas exemplify these creatures. An immortal talking one, Arion, was born to Demeter after she was raped by Poseidon. Two of these animals sired by the harpy Podarge and Zephyrus, named Balius and Xanthus, were given to Achilles. In the *Iliad*, a set of these animals belonging to Rhesus is stolen by Odysseus and Diomedes; earlier, in Thrace, four man-eating ones were owned by another Diomedes. A winged one of these animals sprung from Medusa's neck. For 10 points, name these hoofed creatures that include Bellerophon's buddy Pegasus.

ANSWER: horses [or stallions; or mares]

8. The nine-fourths power of this quantity is proportional to the number of grid points necessary to conduct a three-dimensional CFD simulation. Plugging values from the Kolmogorov microscale into this quantity yields a value of unity. For particle diffusion this quantity equals the Peclet number divided by the Schmidt number. When this quantity is far less than 2000, creeping flow may occur, and Stokes's drag law is valid. In general it is defined as a characteristic flow velocity times a characteristic length scale divided by the kinematic viscosity. For 10 points, name this dimensionless ratio of inertial and viscous forces that is smaller for laminar flows than for turbulent flows.

ANSWER: Reynolds number [prompt on "Re"]

9. This architect is the namesake of the widely adopted cylindrical metal door handles he designed for his most famous building. With Samuel Glaser, he designed the twin towers that make up the JFK Federal Building in Boston. He designed an outdoor spiral staircase for his personal residence in Lincoln, Massachusetts. This architect and Pietro Belluschi consulted with Emery and Roth on the Pan Am building in New York City. His firm The Architects Collaborative designed a new campus for the University of Baghdad in the 1950s. The glass surfaces between piers in Peter Behrens' design for the AEG Turbine Factory influenced his design for the Fagus Shoe Factory and a school he built in Dessau. For 10 points, name this German architect who led the Bauhaus.

ANSWER: Walter Adolph Georg Gropius

10. This poet described a "soft floating witchery of sound" in one poem. The speaker of another poem by this author asks "Is the night chilly and dark?" before answering "The night is chilly, but not dark." The speaker of one of his poems describes "viper thoughts, that coil around my mind" and references the "grand old ballad of Patrick Spence." Another of his poems proclaims "No sound is dissonant which tells of life." This poet of "This Lime-Tree Bower My Prison" and "The Eolian Harp" is best known for a work whose title character orders a structure to be built alongside the river Alph. For 10 points, name this poet of "Dejection: An Ode" and *Christabel*, who described a character building a "stately pleasure dome" in Xanadu in his unfinished "Kubla Khan."

ANSWER: Samuel Taylor Coleridge

11. This process is governed by the "mark transmission theory" of Wesley Salmon. At the end of the second *Naming and Necessity* lecture, a "picture" named for this phenomenon is violated by a pet armadillo named for Napoleon. A namesake theory of knowing, presented in 1967 by Alvin Goldman, relies on this process's "chain." Unlike resemblance and contiguity, the problem of induction makes this relation of ideas unverifiable, even when there's a "necessary connexion," according to David Hume's *Enquiry Concerning Human Understanding*. Aristotle believed in formal, material, efficient, and final forms of this phenomenon. For 10 points, name this process by which the former of two successive events makes the latter happen as a result, which is never implied by correlation.

ANSWER: causation [or causality; or cause and effect; accept "causal picture of names," "causal theory of knowing," or "causal chain"]

12. These things are described as "algebraic" if they are recursive sums of products of these things. One system of these things features rules like "App", "Inst", and "Gen". That system, named for Hindley and Milner, permits inference on these things, and was first implemented in ML. The lambda calculus can be made strongly-normalizing, or always-terminating, by augmenting it with these things. In one paradigm of these things, semantics are determined based on an object's capabilities rather than explicit declarations, per the aphorism "If it walks like a duck...". Conversions between these things are done by "coercion" or "casting". A function is polymorphic if this

attribute of its arguments is allowed to vary. For 10 points, identify these classifications of data, which often include integers and strings.

ANSWER: types [or data types; accept type systems; prompt on “data (structures)”]

13. An attempt to end this war included the Mendoza Act, which was supported by members of the Washington Commission of Neutrals. A precursor to this war was a shooting death after an attempted escape by Adolfo Rojas Silva. A three-year peace conference in Buenos Aires ended this war, which included the early capture of Fort Boqueron by Jose Estigarribia. A failed attempt to capture Nanawa during this war led to the replacement of Hans Kundt. This war was fought between countries led by Eusebio Alaya and Daniel Salamanca, although some claim it was more of a proxy war for Royal Dutch Shell and Standard Oil for control over a region thought to be rich in oil. For 10 points, name this war fought from 1932 to 1935 between Paraguay and Bolivia over a mostly uninhabited region.

ANSWER: Chaco War

14. Defendants in this area of the law can claim immunity under the Noer-Pennington doctrine if their actions are political in nature. A largely discredited offensive doctrine used in this realm is the “essential facilities doctrine.” Cases in this area often hinge on whether courts find the defendant *per se* liable or use the much more intensive Rule of Reason. Metrics used in this area of law include the SSNIP and the Herfindahl-Hirschman Index. “Tying” is an example of a Section 1 case in this field, while Section 2 cases require a showing of market power. Mergers may be squashed under this area of this law if they violate the Clayton Act. For 10 points, name this area of the law which is governed in the U.S. by the Sherman Act and which seeks to prevent monopolistic anticompetitive behavior.

ANSWER: antitrust law [prompt on “monopoly law”]

15. One character in this novel moves to England to work for an insurance company and marries the company’s president within six months, leading some of her friends to wonder about the attractiveness of English women. Another character in this novel stockpiles concentrated vitamin B and patronizes Itani’s beauty parlor. Pivotal events in this novel include a firefly hunt at Ogaki and a flood at Ashiya, during which the photographer Itakura nearly drowns while saving Taeko. One character in this novel worries about a dark spot over her left eye and is finally engaged to Mimaki after her family rejects a slew of suitors. For 10 points, Sachiko and Yukiko are two of the title siblings in what novel by Junichiro Tanizaki?

ANSWER: *The* Makioka Sisters [or Sasameyuki]

16. At this man's execution, the first shot loosed his bonds rather than killing him as intended. This author of *The Seven Proofs* and the *Bayan* was followed by Quddus among a set of disciples called the “letters of the living,” who evangelized the faith he founded. This man, whose birth is celebrated on the fifth day of ‘Ilm, promised the coming of “Him whom God shall make manifest.” This man's namesake shrine, containing his remains, is found on Mount Carmel. Counting himself, his discipleship had nineteen people, corresponding to nineteen attributes of God and the nineteen months of a later religion's calendar. For 10 points, name this 19<sup>th</sup>-century Persian prophet whose adopted name means “gate,” a predecessor and herald of Baha’ullah venerated by Bahais.

ANSWER: the Bab [or Siyyid Ali Mohammad]

17. The second movement of this composer’s third symphony features a trumpet cadenza played over string accompaniment. In the score for another of his symphonies, each of the five movements begins with a literary quote, which is sometimes included in performances. That symphony uses a wordless chorus, a soprano soloist and a wind machine to evoke the title location. This composer’s first symphony incorporates texts from Whitman’s *Leaves of Grass* and is titled *A Sea Symphony*. He split a string orchestra into three parts for a fantasia based on a setting of “Why Fum’th in Fight” by Thomas Tallis. For 10 points, name this British composer of *Sinfonia Antartica* and *The Lark Ascending*.

ANSWER: Ralph Vaughan Williams

18. A faculty in Paris wrote in a *Compendium* that this event was caused by Saturn, Jupiter, and Mars all being in conjunction in the House of Aquarius. The *Annals* of John Clynne ends with his description of this event, which possibly resulted in Clynne’s death. Although he never left Piacenza, Gabriel de Mussis described the beginning of this event and was initially mistaken for an eyewitness of it in Sicily and Kaffa. During a siege of Gibraltar, Alfonso XI of Castile became the only monarch to be killed by this event. This event’s spread was blamed on trade ships

from Genoa, which helped transport the bacteria *Yersinia pestis*. For 10 points, name this fourteenth century event that likely killed at least a third of Europe's population through the bubonic plague.

ANSWER: **Black Death** [prompt on **bubonic plague**]

19. In this novel, a character says that he plans to “expunge” his notes and sketches from “the memory of man,” leading a character named Webster to ask not to be drawn in his notebook. At one point in this novel, a group of characters use their own urine to produce makeshift gunpowder to fend off their pursuers, and those characters later use a ferry operation as a cover to rob travellers trying to cross the Colorado River. Its protagonist escapes from that operation with Tobin and Toadvine, and is presumably killed in an outhouse at this novel's end by a seven-foot-tall, hairless pedophile who earlier rode with him as part of the Glanton Gang. For 10 points, name this novel featuring the Kid and Judge Holden, a work about scalp hunting on the US-Mexico border by Cormac McCarthy.

ANSWER: **Blood Meridian**, or *The Evening Redness in the West*

20. Tromsdorff's “gel effect” explains the increase in the rate of these reactions due to increased viscosity. Under metal catalysis, these reactions occur via ligand association, then a stereospecific migratory insertion, though beta-hydride eliminations can generate undesired side products. That's the Cossee-Arlman mechanism. In the “living” form of these reactions, a narrow product distribution is made. A ring-opening metathesis example of them is catalyzed by Grubbs' catalyst. Branching can be reduced in these reactions by adding titanium and aluminum-based Ziegler-Natta catalysts. Ethylene adds to a double bond in a radical mechanism in an example of the chain-growth type of these reactions. For 10 points, name this class of reactions which forms long chains of monomers.

ANSWER: **polymerizations** [or **addition polymerizations**; or **condensation polymerizations**; or **chain-growth polymerizations**; or **step-growth** polymerizations; or **radical polymerizations**; or other types of polymerizations]

TB1. In 1789, a mural of the Virgin Mary appeared in a mineshaft in this country in an apparent miracle; a few years later, the Virgin of the Mineshaft was named the patron saint of its Oruro Carnival. Its popular foods include a baked empanada called a saltena. Two of this country's lakes are Lake Rogagua and Lake Rogoaguado, both of which lie in its Beni Department. The Beni and Mamoré Rivers join to form the Madeira River at Villa Bella on this country's northern border. Near this country's warm Yungas region is the higher elevation site of Lake Poopo and the Salar de Uyuni. That plateau is known as the Altiplano and also contains the eastern part of Lake Titicaca. For 10 points, name this landlocked South American nation with capitals at La Paz and Sucre.

ANSWER: **Bolivia**

**Bonuses:**

1. During the sixteenth year of a war, representatives of this island asked an invading force to let them remain “neutral, friends instead of enemies, but allies of neither side.” For 10 points each:

[10] Name this island that took part in a failed dialogue to preserve itself, instead falling after “some treachery” and having all of its men killed and women and children sent into slavery.

ANSWER: Melos [or Melian Dialogue]

[10] This Athenian historian wrote the Melian Dialogue as part of his *History of the Peloponnesian War*.

ANSWER: Thucydides

[10] Thucydides also included the story of this man, whose sister was dishonored by Hipparchus. With Aristogeiton, this man plotted to kill Hipparchus and Hippias, but only managed to kill the former before being killed himself.

ANSWER: Harmodius

2. This rock is the main component of the ocean floor, and largely accounts for the ocean floor's greater density compared to continental crust. For 10 points each:

[10] Name this common mafic and fine-grained extrusive igneous rock that is low in silica.

ANSWER: basalt

[10] Basalt is fine-grained because it forms in this place, allowing it to cool quickly. This gives basalt its designation as “extrusive.”

ANSWER: on the Earth's surface [or above ground; or outside the Earth's crust; or obvious equivalents; accept in the ocean or underwater or obvious equivalents]

[10] Mid-ocean ridge basalts are heavily depleted in elements with this property, since they have gone through many melt-recrystallize cycles. This term describes elements that are preferentially excluded from a mineral's crystal structure.

ANSWER: incompatible elements

3. This poem tells the story of Isabel Thwaites, who left a nunnery to marry William Fairfax. For 10 points each:

[10] Name this poem which asks “Why should of all things Man unrul'd such unproportion'd dwellings build?”

ANSWER: “Upon Appleton House”

[10] This metaphysical poet and friend of John Milton wrote “Upon Appleton House” as well as “An Horatian Ode upon Cromwell's Return from Ireland.”

ANSWER: Andrew Marvell

[10] This other poem by Andrew Marvell begs his lover to sleep with him as he hears “time's winged chariot hurrying near” and begins “Had we but world enough, and time.”

ANSWER: “To His Coy Mistress”

4. As a commonwealth, this country's first black governor was Joseph Jenkins Roberts, who, upon its independence in 1848, also served as its first president. For 10 points each:

[10] Name this country established in the nineteenth century in Africa as a place where free blacks and former slaves from America could be settled.

ANSWER: Republic of Liberia

[10] This group established in 1817 by Robert Finley was responsible for setting up Liberia. Joseph Jenkins Roberts worked for this company when he served as governor.

ANSWER: American Colonization Society [or ACS; or American Society for Colonizing the Free People of Color of the United States]

[10] Before the establishment of the ACS, this half-Native American, half-African Quaker used his ship *Traveller* to try and open up trade relations for Sierra Leone, and he also transported 38 immigrants to the colony in 1816.

ANSWER: Paul Cuffee [or Paul Slocum]

5. This service, held at dark, features the vocal use of the word “Hallelujah!” for the first time in forty days, and contains a liturgy of baptism before the Eucharist is administered. For 10 points each:

[10] Name this special Mass held right before the holiday celebrating Jesus's resurrection.

ANSWER: Easter vigil [prompt on “Holy Saturday” or “Easter”]

[10] The “Paschal” one of these objects, which has an alpha and an omega on its beeswax surface, is processed around at Easter vigil. Two of them usually sit atop a Christian altar to provide light.

ANSWER: **candles**

[10] In this old church service held on the last three days of Holy Week, many candles are extinguished one by one until only one is left. Lessons from the Book of Lamentations are sometimes recited during it.

ANSWER: **Tenebrae** service

6. For 10 points each, answer the following about the artists involved in the production of the painting cycle *The Miracles of the True Cross*.

[10] One of the artists involved, Gentile Bellini, was an early teacher of this artist of *Sacred and Profane Love* and *Bacchus and Ariadne*.

ANSWER: **Titian** [or Tiziano **Vecellio**]

[10] Another artist involved was this painter of *The Delivery of the Keys*, who taught Raphael.

ANSWER: Pietro **Perugino** [or Pietro **Vannucci**]

[10] A third involved artist was this painter of *Healing of the Madman*. His series *The Legend of Saint Ursula* is contained in the Gallerie dell'Accademia in Venice.

ANSWER: Vittore **Carpaccio**

7. If you want to decaffeinate your coffee, you might want some carbon dioxide in this form. For 10 points each:

[10] Name these substances that exist above a certain temperature and pressure, which, for water, are about 650 kelvins and 22 megapascals. They exhibit properties of both a gas and a liquid.

ANSWER: **supercritical** fluids [do not prompt on or accept “superfluids”]

[10] These unrelated substances also have a critical temperature below which they exhibit zero resistivity. “High-temperature” ones can expel magnetic field lines at temperatures as high as 77 kelvins.

ANSWER: **superconductors** [or word forms]

[10] Near phase transitions, physical variables are described by this scale-free functional form, which is characterized by critical exponents.

ANSWER: **power law**

8. For 10 points each, answer the following about famous works of investigative reporting and journalism.

[10] This book by Randy Shilts traces the history of the AIDS epidemic, and lambastes the government for its failure to stop the spread of the disease.

ANSWER: **And the Band Played On: Politics, People, and the AIDS Epidemic**

[10] This 1890 photojournalistic study of the New York City poor was one of the earliest works of what would be later dubbed “muckracker journalism.”

ANSWER: **How the Other Half Lives: Studies among the Tenements of New York**

[10] Upton Sinclair wrote this 1906 novel which exposed the shocking disregard for worker well-being and hygienic practices in the meat-packing industry.

ANSWER: *The **Jungle***

9. As a statistician, this man developed a multivariate counterpart to Student’s t-test. For 10 points each:

[10] Name this economist whose “law” explaining the lack of product differentiation is often illustrated through the example of two ice cream vendors on a beach.

ANSWER: Harold **Hotelling**

[10] Hotelling’s law is frequently applied to these market forms, which are dominated by a small number of sellers. Bertrand’s model describes them.

ANSWER: **oligopoly**

[10] Because of the kinked demand curve frequently associated with oligopolies, they can have prices with this property. Prices with this property are resistant to change.

ANSWER: **sticky** [or **stickiness**]

10. These statements are a consequence of the fact that four major thermodynamic potentials are analytic, so the mixed second partial derivatives are equal. For 10 points each:

[10] Name these statements which relate the partial derivatives of pressure, volume, temperature, and entropy.

ANSWER: **Maxwell** relations [do not accept or prompt on “Maxwell’s equations”]

[10] The Maxwell relation derived from this thermodynamic quantity uses the partials of entropy and volume, this quantity’s natural variables. By the First Law of Thermodynamics, the change in this quantity equals heat plus work.

ANSWER: **internal energy** [or **U**; do not accept or prompt on other forms of energy]

[10] The partial derivative of entropy with respect to temperature is this quantity over temperature. This quantity is in the *numerator* in the definition of the adiabatic index gamma. Be as specific as possible.

ANSWER: **Cp** [or the **constant-pressure heat capacity**; prompt on **heat capacity**; accept any answers that mention both **heat capacity** and the fact that **pressure is constant**; do not accept or prompt on “Cv” or “constant-volume heat capacity”; accept answers including the phrase **specific heat** instead of **heat capacity**]

11. This king forced out the Champa ruler Jaya Indravarman III, and his Vaishnavism came through in his posthumous name Paramavisnuloka. For 10 points each:

[10] Name this twelfth-century king who built a large temple mausoleum intended to represent Mount Meru and honor Vishnu.

ANSWER: **Suryavarman II** [prompt on “Suryavarman”]

[10] Suryavarman II ruled the Khmer Empire, which was located mostly in this modern-day country with a flag showing Angkor Wat in its center.

ANSWER: Kingdom of **Cambodia** [or Preahreacheanachakr **Kampuchea**]

[10] The spread of Theravada Buddhism in the thirteenth and fourteenth centuries helped end this idea about the leaders of the Khmer Empire, a concept which had been supported by cults of the devaraja.

ANSWER: **god-kings** [accept equivalent answers such as **divine rulers**]

12. In one film with this number in the title, Sam Rockwell plays Billy, whose alter-ego is a murderous vigilante who always leaves a Jack of Diamonds card with all of his victims' bodies. For 10 points each:

[10] Name this number of psychopaths in a 2012 crime film and number of dwarfs in a 1937 film featuring a poisoned apple and a talking mirror.

ANSWER: **7** [accept *Snow White and the **Seven Dwarfs*** or ***Seven Psychopaths***]

[10] *Seven Psychopaths* was directed by this Irish screenwriter, whose literary works include a trilogy of plays set in the Aran Islands.

ANSWER: Martin **McDonagh**

[10] McDonagh's may be best known for this 2008 black comedy starring Colin Farrell and Brendan Gleeson as hitmen sent to hide in the title Belgian city.

ANSWER: ***In Bruges***

13. Toward the beginning of this scene, the opera's title character appears in a bloodstained dress and attempts to wipe a knife clean. For 10 points each:

[10] Name this scene which centers on the aria *Il dolce suono* in which the protagonist declares, “I surrender to you, oh my Edgardo! I have escaped from your enemies.”

ANSWER: the “**Mad Scene**”

[10] The “Mad Scene” is in Act III of this Donizetti opera set in Scotland, in which the title character stabs her bridegroom Arturo because of her love for Edgardo di Ravenswood.

ANSWER: ***Lucia di Lammermoor***

[10] The role of Lucia is sung by the coloratura type of this voice, the highest vocal range in opera.

ANSWER: **soprano**

14. Anthony Grey claimed that a prime minister of this country was a spy for China who escaped to a submarine in 1967, rather than drowning. For 10 points each:

[10] Name this country of Harold Holt that was led during most of World War II by John Curtin, who sought to defend it from a Japanese invasion.

ANSWER: Commonwealth of **Australia**

[10] On February 19, 1942, this capital city of the Northern Territory experienced the only major assault on Australian soil during World War II when it was bombed by the Japanese.

ANSWER: **Darwin**

[10] During World War II in 1942, Robert Menzies gave this series of radio broadcasts on Friday nights, including a namesake speech. These talks helped revive Menzies's political career before he helped start the Liberal Party.

ANSWER: **Forgotten People** speeches

15. This man argued that some people are naturally born to be slaves, and that a citizen must master the women and

slaves in his *oikos* before joining civic life, in his treatise on politics. For 10 points each:

[10] Name this thinker who called tyranny, oligarchy, and democracy “perversions” of monarchy, aristocracy, and constitutional polity respectively. He claimed that “Man is by nature a political animal.”

ANSWER: Aristotle of Stagira [or Aristoteles]

[10] This work of moral theory by Aristotle claims that each virtue is a “golden mean” between two viciously extremes.

ANSWER: Nicomachean Ethics

[10] According to Book VI of this *Ethics*, men need this intellectual virtue to determine what other virtues are or deliberate over the good. This trait is more applicable to daily life than *sophia* or *nous*, and less matter-of-fact than *episteme* or *tekhne*.

ANSWER: phronesis [or practical wisdom; or practical judgment; or prudentia; or prudence]

16. Name these wearers of mythical jewelry, for 10 points each.

[10] This daughter of Aphrodite and Ares received a cursed necklace made by Hephaestus at her wedding to Cadmus. Her necklace then got passed on to screw over a bunch of other people.

ANSWER: Harmonia

[10] This god took the form of a seal to recover Freya's necklace Brisingamen from Loki. This wielder of the sword Hofund had golden teeth and fathered the three social classes of mankind.

ANSWER: Heimdallr [or Rig]

[10] In the *Mahabharata*, this son of Kunti and the sun god Surya was born wearing earrings. He fought invincibly against the Pandavas. He died after a disguised Indra got him to take off those earrings and his armor.

ANSWER: Karna [or Radheya]

17. After receiving a slip of paper reading “Wm. M” from his mother, this character tears it up and throws it into a fire. For 10 points each:

[10] Name this character who accidentally burns down his house after having lost the money that he gives to Milton K. Rogers.

ANSWER: Silas Lapham [accept either underlined part]

[10] Silas Lapham appears in a novel by this American realist author of *The Lady of the Aroostook*, who also wrote *A Hazard of New Fortunes*.

ANSWER: William Dean Howells

[10] Like Silas Lapham, the unnamed protagonist of this Ralph Ellison novel is involved in the paint industry.

ANSWER: Invisible Man

18. This composer penned *L'Adieu du cavalier*, or “The Knight's Farewell,” in memory of Francis Poulenc. For 10 points each:

[10] Name this composer whose *Cantate de Narcisse* set poems of Paul Valéry. This composer of *Sonate champêtre* also wrote an intermezzo for two pianos.

ANSWER: Germaine Tailleferre [or Marcelle Taillefesse]

[10] Tailleferre made a significant contribution to the repertory of this 47-string instrument with her concertino for it, as well as 18 works for Caroline Tardieu. The Celtic variety of this instrument is called a *clàrsach*.

ANSWER: harp

[10] This fellow member of Les Six with Tailleferre also penned a harp concerto, as well as the ballet *The Creation of the World*.

ANSWER: Darius Milhaud

19. This author wrote a play in which Mellefont poisons the title character before traveling to Dover to commit suicide. For 10 points each:

[10] Name this German author of *Miss Sara Sampson*, as well as a play which includes a plea for religious tolerance in the form of the parable of the ring, told by the title character to Saladin.

ANSWER: Gotthold Ephraim Lessing

[10] The plot of Lessing's *Nathan the Wise* probably came from this collection of one hundred tales by Boccaccio.

ANSWER: *The* Decameron [or Decamerone]

[10] Lessing also wrote this tragedy in which the chamberlain Marinelli attempts to woo the title woman on behalf of the Prince of Guastalla, Hettore.

ANSWER: Emilia Galotti



20. Chromaffin cells, located in namesake glands sitting atop the kidney, are the site of synthesis of this compound. For 10 points each:

[10] Name this catecholamine hormone which activates the fight-or-flight response of the sympathetic nervous system.

ANSWER: epinephrine [or adrenaline]

[10] Epinephrine, like all catecholamines, is synthesized from this amino acid, which has a phenol group in its side chain. L-DOPA is synthesized from it, too.

ANSWER: tyrosine [or Y; or Tyr]

[10] This tumor of the adrenal glands results in over-secretion of norepinephrine and other catecholamines. These tumors are especially common in sufferers of Von Hippel-Lindau syndrome and neurofibromatosis type I.

ANSWER: pheochromocytomas