

Tossups

0. In a part of these scenes, an animation of Santa Claus spinning around an angel can be seen. During one of these scenes, paratroopers from AARP descend on the main setting. Recurring features of these scenes include an erupting volcano in the background and a herd of cows passing by a school bus. A warning displayed before these scenes reads “the following program contains (*) coarse language and due to its content it should not be viewed by anyone.” The background music accompanying these scenes is performed by Primus and includes the line “Friendly faces everywhere, humble folks without temptation.” These scenes incorporate Kenny’s sexual but incoherent statements. For 10 points, identify these scenes which serve as introductions to a TV show set in the title Colorado city.

ANSWER: South Park intro sequences [accept obvious equivalents] <KG>

1. This element can be transferred from water to toluene by using TOAB as a phase-transfer agent in the Brust-Schiffirin method, while adding small amounts of sodium citrate is used in a similar method for this element that was first employed by Turkevich. Relativistic contractions in this element’s *s* orbitals shifts them closer to its *d* orbitals, causing it to absorb blue light in a manner similar to (*) cesium. At one point, liquid mercury was used to extract this metal from ores, but it is now mostly extracted through cyanide leaching. It’s not platinum, but this metal is often refined using a mixture of hydrochloric and nitric acid called *aqua regia*. An alternate name for iron pyrite comes from the fact that it resembles this element. For 10 points, name this metal found below silver in the periodic table, which has atomic symbol Au.

ANSWER: gold [accept Au] <SD>

2. Support for this practice was boosted by a report drafted by James Coleman. This practice was vociferously opposed by Louise Day Hicks. In one instance, this practice was implemented by the judge W. Arthur Garrity. An opponent of this practice named Joseph Rakes attacked Ted Landsmark, which was captured in a Pulitzer-winning photograph by (*) Stanley Forman. This practice was opposed by a group called ROAR, or Restore Our Alienated Rights. This practice, which led to many riots in Boston, was found to be constitutional in *Swann v. Charlotte-Mecklenburg*. White flight often occurred in response to this practice. For 10 points, name this practice in which the transportation of students to schools was used to promote desegregation.

ANSWER: desegregation busing [prompt on answers like “desegregation of schools” or “racial integration of schools”] <WN>

3. One of this man’s paintings appears at the top left of the largest group of paintings shown in David Teniers the Younger’s painting of Archduke Leopold Wilhelm’s art collection. This man included a coat of arms showing three pairs of ribs in a work commissioned by Tuzio Costanzo. In one of this man’s paintings, Saint Francis and Saint Nicasius stand on a checkered floor flanking an elevated throne on which the Virgin Mary sits. A nude woman originally appeared on the left of one of his paintings, where a soldier looking to the right now stands. That painting’s background features a (*) lightning bolt breaking through a storm cloud. In a painting by this artist of *The Three Philosophers* and the *Castelfranco Madonna*, a goddess lies on silver and red sheets in a pose mimicked by his pupil Titian’s *Venus of Urbino*. For 10 points, name this painter of *Sleeping Venus* and *The Tempest*.

ANSWER: Giorgione [or Giorgio Barbarelli da Castelfranco] <KG>

4. A SNP (snip) in the transcription factor TCF7L2 is the most significant genetic risk factor for this disease. Iron overload results in a “bronze” form of this disease in many patients with hemochromatosis. A common complication of this disease leads to a breathing abnormality called Kussmaul respiration. This disease can be managed with glitazones, sulfonylureas, and GLP-1 analogs, but the first-line drug of choice for it is (*) metformin. A C-peptide level test can distinguish between different forms of this disease. This disease is the leading cause of both blindness and kidney failure in non-elderly adults, and can leave people prone to suffering foot ulcers. Depending on whether beta cells are intact, this disease can be classified as “type 1” or “type 2.” For 10 points, name this disease in which blood glucose is high due to a poor response to insulin.

ANSWER: diabetes mellitus [or type 1 diabetes; or type 2 diabetes; or MODY; or maturity onset diabetes of the young; do not accept or prompt on “diabetes insipidus,” which is different] <AG>

5. A poem about this war imagines an insect taking over the speaker’s vision, and references Robert Southwell in saying that “the vision of a Burning Babe is multiplied.” A soldier in this war superstitiously wears his girlfriend’s stockings around his neck. This war is a major preoccupation in the work of Denise Levertov. A poem about this war begins “My black face fades, hiding inside the (*) black granite,” and the speaker of that poem goes down a list of names of people killed in this war. It is the subject of “Facing It” by Yusef Komunyakaa. A short story collection about this war includes a story about Norman Bowker called “Speaking of Courage,” and also tells of the characters Curt Lemon, Kiowa, and Jimmy Cross. For 10 points, name this war which is the setting of Tim O’Brien’s *The Things They Carried*.

ANSWER: Vietnam War <WN>

6. This philosopher argued that seeing chaos or confusion in the universe was like seeing a school of fish in a pond without distinguishing the individual fish. The treatise *Principles of the Most Ancient and Modern Philosophy* by Anne Conway is best remembered for influencing this philosopher’s thought. This philosopher argued in favor of relational space against absolute space in a lengthy correspondence with Samuel (*) Clarke. He solved the mind-body problem by saying that things only appear to interact due to God’s pre-established harmony. He posited that the universe is made up of “windowless” simple substances that do not affect each other. For 10 points, name this author of the *Monadology*, who developed calculus independently from Isaac Newton.

ANSWER: Gottfried Leibniz [or Gottfried Wilhelm von Leibniz] <WN>

7. This poem claims that everything in nature is like “bubbles on the sea,” in that “they rise, they break, and to that sea return.” Vladimir Nabokov took the name “Zembla” from a place mentioned in this poem, whose second part declares that, faced with vice, “we first endure, then pity, then embrace.” This poem’s description of a “poor Indian, whose untutor’d mind / Sees God in clouds, or hears him in the wind” is an oft-invoked example of the noble savage. The first of the four (*) epistles that constitute this poem is about the Great Chain of Being, of which the speaker says that “All are but parts of one stupendous whole, whose body Nature is, and God the soul.” This poem is the source of aphorisms like “Hope springs eternal in the human breast,” “The proper study of mankind is man,” and “Whatever is, is right.” For 10 points, name this long poem about humanity by Alexander Pope.

ANSWER: “An Essay on Man” <AG>

8. This man defended the publisher in the trial resulting from the attempted ban on the book *Spycatcher*. He was once the chairman of an Internet service provider founded by Sean Howard. In 2009, he accused his country’s leader of giving preferential treatment to the car dealership of John Grant, who had donated a utility vehicle to the latter’s campaign. Since 2004, this man has been a Member of Parliament for Wentworth. In 2015, he announced a \$100 million (*) Women’s Safety Package. This leader replaced Joe Hockey with Scott Morrison as treasurer in his cabinet. In September 2015, he proposed a leadership spill and became leader of the Liberal Party, replacing Tony Abbott. For 10 points, name this current Prime Minister of Australia.

ANSWER: Malcolm Turnbull [or Malcolm Bligh Turnbull] <WN>

9. A cartoon from *Punch* depicted one of these legislations as a horse “leaping in the dark.” John Bright compared the apathy of Parliament about one of these legislations to “flogging a dead horse.” A “league” supporting one of these legislations was formed by George Howell and other members of the International Workingmen’s Association. A quarter of the Bank of England’s money was withdrawn by protesters responding to an attempt to block one of these legislations during the (*) Days of May. The first of these legislations was strongly opposed by the Duke of Wellington, but was eventually passed under the rule of Earl Grey. These legislations abolished “rotten boroughs” and “pocket boroughs.” For 10 points, name these pieces of legislation passed in 1832, 1867, and 1884 that made changes to the British electoral system.

ANSWER: Reform Acts [accept Representation of the People Act] <KG>

10. The “Lento moderato” second movement of this composer’s third symphony opens with a natural horn solo, and culminates in a trumpet cadenza over a pedal point in the strings. This composer specified that the “Landscape: Lento” third movement of another symphony must lead without pause into the fourth movement, which quotes Donne’s “The Sun Rising.” In that symphony by him, the fifth movement epilogue quotes the line “I do not regret this journey” from an (*) explorer’s journal. This composer had a choir sing several Walt Whitman poems in his first symphony, and based his seventh symphony on music he composed for the film *Scott of the Antarctic*. A violin represents a bird from a George Meredith poem in this man’s best-known piece. For 10 points, name this English composer of *A Sea Symphony* and *The Lark Ascending*.

ANSWER: Ralph Vaughan Williams <AG>

11. In a 1916 short story, the horse Bucephalus decides to join this profession. In another work, an extremely subservient character sleeps in a maid’s room in the house of a member of this profession, but is also discreetly seeing five others. In that work, the protagonist discovers that the reference books of a member of this profession are actually (*) pornographic novels. A member of this profession employs a nurse with webbed hands who seduces the protagonist. The merchant Rudi Block is pathetically attached to a bedridden member of this profession named Huld in a novel in which a parable about a man who wishes to gain access to this profession is told to Josef K. For 10 points, name this profession central to Franz Kafka’s *The Trial*.

ANSWER: the law [or the legal profession; accept lawyers, advocates, or magistrates] <WN>

12. This substance accelerates movement at the marginal zone according to the Zwally effect. Radioactive dating of coral samples allows for analysis of the 1A pulse of this substance. The presence of this substance at the basal layer allows movement via sliding and subsole deformation. Giant gravel bars and megaripples may be evidence for (*) jökulhlaups [“YO-kul-hlops”], which are huge outbursts of this substance. This is the main product of ablation and is *not* caused by sublimation or calving. This substance may be created by high pressures and geothermal energy under glaciers, and runoff of large amounts of it may be evidence for global warming. For 10 points, name this substance which is the result of glacial melting.

ANSWER: glacial meltwater [do not accept “ice”] <BM>

13. A treatise beginning with the question “What would you do if you were [this thing]?” was written by Anthony de Jasay. The formation of these things is the subject of Robert Carneiro’s circumscription theory. Theda Skocpol argued for the autonomy of these things, and wrote a book about them “and social revolutions.” This is the second of three “images,” along with individuals and the international system, used to explain international relations in a (*) Kenneth Waltz book named for man, war, and this thing. Friedrich Engels called for the “withering away” of this thing. Max Weber defined them as entities with a monopoly on the legitimate use of force. For 10 points, name these political entities.

ANSWER: states <WN>

14. Integrating this quantity around a boundary gives the boundary's cyclic constant. A universal profile for this value, or the "law of the wall," says that it varies like the log of the distance from the wall plus a constant. The vortex shedding frequency equals this quantity times the Strouhal number over characteristic length. Drag depends linearly on this quantity in laminar but not turbulent flow. This quantity is equal to the square root of $2gh$ by (*) Torricelli's theorem. This quantity's divergence is zero for incompressible flows and its curl is zero for irrotational flows. A decrease in pressure leads to an increase in this quantity according to Bernoulli's law. For 10 points, name this quantity which measures how fast a fluid is moving.

ANSWER: flow velocity [or velocity field] <BM>

15. A deformed child from this country is cradled in a bath by her mother in a photograph by W. Eugene Smith. An artwork from this country inspired Jeff Wall's photograph *A Sudden Gust of Wind*. A woman from this country was photographed with her husband surrounded by flowers, with a sign saying "Hair peace" above them. That woman from this country was photographed fully (*) clothed with her naked husband curled up against her by Annie Leibovitz. American immigrants from this country were photographed by both Dorothea Lange and Ansel Adams in the Manzanar internment camp. For 10 points, name this country, which lost the battle commemorated in the photograph *Raising the Flag on Iwo Jima*.

ANSWER: Japan [or Nippon] <WN>

16. One of their legends says that an angel promised victory to Saladin if he went to the tomb of the man from whom these people claim to descend. Members of this faith call it Muwahhidun, but their more popular name comes from a former prophet who was deemed a heretic by its founders. Conversion to this faith was only open for a 24 year window, after which one must be born into it. The majority of this faith's members are the (*) ignorant Juhhal, who do not attend the meetings of the more knowledgeable Uqqal. This group adopted the practice of taqiyya from the group they broke from in the 11th century. They believe that Caliph al-Hakim is waiting to return to the world and bring about a golden age, and their colors are arranged on their four-striped flag or five-pointed star. For 10 points, name this secretive religion whose adherents mostly live in Syria, Lebanon, and Israel.

ANSWER: Druze <BM>

17. During World War II, this country's "scrap iron flotilla" trolled the Mediterranean. After the sinking of the hospital ship *Centauro*, this country launched a propaganda campaign urging people to "save the nurses." A battalion from this country embraced an insult by Lord Haw-Haw and called themselves the "Rats of Tobruk." While at a railway station in this country, Douglas MacArthur declared that "I came through and I shall return." Soldiers from this country made up the bulk of the winning side of the (*) Kokoda Track campaign. John Curtin led this country through its direst straits during World War II, which it got roped into during the premiership of Robert Menzies. In 1942, this country suffered a devastating air raid on its port town of Darwin. For 10 points, name this country that was saved from being invaded by Japan by the Battle of the Coral Sea.

ANSWER: Australia [or Commonwealth of Australia] <AG>

18. A character in a novel set in this city limps because, as a teenager, he was abducted by a doctor who ran his legs over with a car. The artistic couple Lara and Blaine get into an accident with the monk Corrigan, who tries to help the prostitutes Tillie and Jazzlyn, in a novel set in this city. This setting of Hanya Yanagihara's *A Little Life* and Colum McCann's *Let the Great World Spin* is also the focus of a novel in which a tryst with Shelly Thomas leads to the removal of Larry Kramer from the prosecution in the retrial of (*) Sherman McCoy, who hits Henry Lamb, a black kid, with his car. The cousins Joe and Sammy create "The Escapist," an anti-Nazi superhero, in a novel set in this city. For 10 points, name this setting of *The Amazing Adventures of Kavalier & Clay* and *The Bonfire of the Vanities*, a searing critique of Wall Street.

ANSWER: New York City [or NYC] <AG>

19. A holder of this title founded a city where he had earlier cured his leprosy by sitting in mud, and used magic to create hot springs there before dying while attempting to fly with artificial wings. That man was succeeded in this position by a man whose son-in-law Aganippus helped him regain this position, from which his sons-in-law had deposed him. Bladud held this title, as did a man whose ascension was presaged by the appearance of a comet before a battle. That holder of this title was a brother of (*) Aurelius Ambrosius and Constans, who were both enemies of Vortigern. A holder of this title is wounded in a battle at Camblam where he kills his nephew Modredus, and goes to Avalon to be healed. The lives of holders of this title are recounted in a pseudo-historical book by Geoffrey of Monmouth. For 10 points, name this title held by figures like Uther Pendragon and Arthur.

ANSWER: King of Britain [or king of the Britons] <WN>

20. The decision of a king of this name to unify his realm's Protestant churches sparked an 1838-39 migration of Lutherans to the United States led by Martin Stephan. That king's representatives signed the anti-Napoleon Treaty of Kalisz with Alexander I's forces. The seven-foot Irishman James Kirkland served in a regiment of incredibly tall soldiers gathered by another king of this name. The forces of a ruler with this name crossed the Curonian Lagoon to drive back enemies during the (*) Great Sleigh Drive. In response to the Edict of Fontainebleau, that ruler issued the Edict of Potsdam to welcome Huguenots to his kingdom. A king with this name fathered the king whose invasion of Silesia kicked off the War of the Austrian Succession. For 10 points, give this name shared by a Prussian "Soldier King" and a "Great Elector" of Brandenburg.

ANSWER: Frederick William [or Friedrich Wilhelm; do not prompt on partial answer] <KG>

Tiebreaker: Basil Bunting's poetic response to this collection begins with the line "There are the Alps. What is there to say about them?" A poem in this collection described John Adams as "the man who at certain points / made us / at certain points / saved us." Another poem in this collection notes that "What thou lov'st well is thy true heritage," and its second poem opens "Hang it all, (*) Robert Browning; there can be but the one 'Sordello.'" The 45th part of this collection states that Duccio, Piero della Francesca, and other artists "came not by usura." Thomas Hart Benton heavily inspired this collection's "Section: Rock-Drill." One part of this collection won the first Bollingen Prize and was written during the author's imprisonment in Pisa. For 10 points, name this collection of 120 poems by Ezra Pound.

ANSWER: *The* Cantos [accept *The Pisan* Cantos] <KG>

MLK 2016: Amusing Subtitle
Packet 7

Bonuses

1. The fish that Saint Peter found with a coin in its mouth is often identified as this species of fish. For 10 points each:

[10] Name this species of fish that has been harvested from the Nile since ancient times. It is by far the most harvested member of the cichlid ["SICK-lid"] family.

ANSWER: tilapia

[10] The cichlid population in this lake was devastated by invasive perch and water hyacinth. John Hanning Speke discovered this lake and determined it was the source of the Nile River.

ANSWER: Lake Victoria

[10] The word "tilapia" comes from the language spoken by this country's majority ethnic group. This country is home to the Makgadikgadi salt pans.

ANSWER: Botswana [or Republic of Botswana; the language is called Tswana] <KG>

2. A national committee established to fight this practice was organized in large part by Edgar Gardner Murphy, who became its first secretary, and hired Lewis Hine as an investigative photojournalist. For 10 points each:

[10] Name this practice. The 1918 Supreme court case *Hammer v. Dagenhart* centered on whether Congress could pass laws designed to curtail it, and overturned the Keating-Owen Act.

ANSWER: child labor [or obvious equivalents, such as underage children working]

[10] Hine photographed boys making these things at Engelhardt & Co. Samuel Gompers, president of a union of makers of these things, sponsored legislation banning production of these things in New York tenements.

ANSWER: cigars

[10] The Keating-Owen act tried to slash child labor and was passed in 1916 during the first of two terms of this President. The US entered World War I during his second term.

ANSWER: Woodrow Wilson <SD>

3. These things provide an alternative to a command-line interface. For 10 points each:

[10] Name this type of interface that allows users to select items and perform actions with a mouse. Apple's Lisa and Macintosh operating systems were influenced by the development of this kind of interface at Xerox PARC.

ANSWER: GUI [or graphical user interface]

[10] This architectural pattern commonly drives graphical user interfaces. In this pattern, a user performs operations that feed back to some data, which is displayed by an interface.

ANSWER: MVC [or model-view-controller pattern; or MVP; or model-view-presenter pattern]

[10] This framework for Ruby was one of the first MVC web frameworks.

ANSWER: Ruby on Rails <BM>

4. In the original version of this musical, girls wore costumes decorated with international units of currency like rubles and yen in its number "Money." For 10 points each:

[10] Name this Kander and Ebb musical, based on John van Druten's *I Am a Camera* and Christopher Isherwood's *Goodbye to Berlin*, about Sally Bowles's life as a performer at the title entertainment venue in Weimar Germany.

ANSWER: Cabaret

[10] With the exception of "Tomorrow Belongs to Me," this choreographer made all the musical numbers in *Cabaret* diegetic in his critically-acclaimed film version. He had also directed and choreographed *Sweet Charity*.

ANSWER: Bob Fosse [or Robert Louis Fosse]

[10] In the original musical, this number from *Cabaret* about a menage a trois featured the Emcee, a cabaret girl, and a cabaret boy in drag acting out various sexual positions.

ANSWER: "Two Ladies" <AG>

5. This philosopher wrote about some of his deceased colleagues in *The Work of Mourning*. For 10 points each:

[10] Name this French pioneer of deconstruction, who wrote *Of Grammatology* and *Writing and Difference*.

ANSWER: Jacques Derrida [or Jackie Elie Derrida]

[10] Derrida had a rancorous dispute over speech acts with this philosopher, who used the concept of collective intentionality in his book *The Construction of Social Reality*. One of this man's arguments occasioned the "many mansions" reply.

ANSWER: John Searle [or John Rogers Searle]

[10] Related to speech act is this concept, developed by H. Paul Grice. It refers to meaning inferred by a listener which is not explicitly present in an utterance, and comes in "conversational" and "conventional" types.

ANSWER: implicature [do not accept "implications"] <WN>

6. Answer the following about African diamonds, for 10 points each.

[10] The African Diamond Producers Association was founded by José Eduardo dos Santos, the leader of this former Portuguese colony. Dos Santos led the MPLA against Jonas Savimbi's UNITA during its 26-year civil war.

ANSWER: Angola [or Republic of Angola; or República de Angola]

[10] This leader of his self-proclaimed Central African Empire ordered the manufacture of a diamond-encrusted crown for his coronation. He also caused the downfall of the French president by gifting him diamonds.

ANSWER: Jean-Bédél Bokassa

[10] Foday Sankoh founded this rebel group, which controversially used child soldiers and funded their operations through blood diamonds. A neighboring country's president, Charles Taylor, funded this group.

ANSWER: Revolutionary United Front [in Sierra Leone] <KG>

7. A subplot in this novel is set in 1978 and concerns garment-worker Elizabeth Benson's attempt to understand her grandfather's life by decoding some diaries she finds in an attic. For 10 points each:

[10] Name this novel about Stephen Wrayford's affair with Isabelle Azaire at the outset of World War I, the middle entry of the France trilogy by Sebastian Faulks.

ANSWER: Birdsong

[10] Christopher Tietjens composes a sonnet to distract McKetchie while issuing an order to mobilize nearly 3000 soldiers during the war in the second entry of this author's series *Parade's End*.

ANSWER: Ford Madox Ford

[10] This author drew on his experience serving in the British Intelligence during the war to write *Ashenden*, but is better known for his novels *The Moon and Sixpence* and *Of Human Bondage*.

ANSWER: W. Somerset Maugham [or William Somerset Maugham] <AG>

8. In the Bak-Sneppen model of this process, the least fit species and its two nearest neighbors are iteratively removed and replaced with new species of random fitness. For 10 points each:

[10] Name this process in which change in one organism is triggered by change in another. An example is the Old World swallowtail caterpillar, which developed resistance to the insect-repelling oils secreted by the fringed rue.

ANSWER: coevolution [do not accept or prompt on "evolution"]

[10] These kinds of pairs of species, one of which hunts and eats the other, constantly undergo coevolution. The Lotka-Volterra equation models the interactions of these kinds of species.

ANSWER: predator-prey [both required, in either order, prompt if only one is mentioned]

[10] This genus of perennial shrubs and trees bearing sword-shaped leaves and white flowers has co-evolved with a namesake moth to the point where it can only be pollinated by that moth.

ANSWER: Yucca [accept any answer mentioning Yucca] <AG>

9. A dean in this story has daughters named after Martin Luther and Philipp Melancthon. For 10 points each:

[10] Name this short story in which a Parisian rebel works as a cook for those sisters, who are joined by a number of characters including Martine's former suitor Lorens Löwenhielm at the story's climax.

ANSWER: "Babette's Feast"

[10] "Babette's Feast" is by this Danish author who also wrote about a meal in "The Supper at Elsinore" from her collection *Seven Gothic Tales*.

ANSWER: Isak Dinesen [or Karen Blixen]

[10] Another Danish short story is this Hans Christian Andersen fairy tale whose title character has her tongue cut out by the Sea Witch, who gives her legs and the ability to walk on land in exchange.

ANSWER: "The Little Mermaid" [or "Den lille havfrue"] <WN>

10. Answer the following about Salvador Dalí, for 10 points each.

[10] Dalí's most famous painting, *The Persistence of Memory*, depicts these objects melting.

ANSWER: clocks [or watches]

[10] Dalí's painting *The Burning Giraffe* is dominated by a woman with one of these objects protruding from her chest, and several of them protruding from her left leg.

ANSWER: **drawers**

[10] In this Dalí painting, some birds on the surface of the lake combine with the trees behind them to form the reflections of different animals in the water.

ANSWER: **Swans Reflecting Elephants** [or *Cisnes que se reflejan como elefantes*] <WN>

11. This value can be found by taking the negative base 10 logarithm of transmittance. For 10 points each:

[10] Name this value that according to Beer's law is equal to molar extinction coefficient times path length times concentration.

ANSWER: **absorbance** [accept absorb]

[10] A common way of determining protein concentration involves measuring absorbance at this nanometer wavelength. A test for nucleic acid contamination involves comparing absorbance at 260 nm and this wavelength.

ANSWER: **280** nanometers [or **280** nm]

[10] As 260 and 280 nanometers fall in this portion of the light spectrum, absorbances at these wavelengths are measured in a type of spectroscopy appropriately named for visible and this kind of light. It can cause skin cancer.

ANSWER: **ultraviolet** [or **UV**] <SD>

12. The protagonist of this novel sits deteriorating in a room at the Hotel Splendour, recalling his tryst with Vanna Vane there in his heyday. For 10 points each:

[10] Name this Pulitzer-winning novel in which Cuban immigrants Cesar and Nestor Castillo are invited to put in cameos as Desi Arnaz's cousins on *I Love Lucy*.

ANSWER: *The **Mambo Kings Play Songs of Love*** [by Oscar Hijuelos]

[10] This Junot Diaz novel about an overweight nerdy Dominican teen is the only other Latino novel to have won the Pulitzer.

ANSWER: *The **Brief Wondrous Life of Oscar Wao***

[10] Probably the most famous novel by a Mexican-American author is this 1984 bildungsroman about the upbringing of Esperanza in Chicago, by Sandra Cisneros.

ANSWER: *The **House on Mango Street*** <AG>

13. The Zimbabwean dollar and the Hungarian pengo have both experienced this phenomenon. For 10 points each:

[10] Name this economic phenomenon which affected Weimar Germany, in which the purchasing power of a currency drastically decreases because of an increase in price levels.

ANSWER: hyper**inflation**

[10] France may have decided to occupy this coal-producing region of Germany to ensure that their reparations were paid in goods, since their currency was worthless.

ANSWER: **Ruhr** Valley

[10] This currency replaced the Papiermark in order to curb hyperinflation. In 1924, it was replaced by the Reichsmark.

ANSWER: **Rentenmark** <WN>

14. The fifth of these pieces, in E minor and marked "Lento, con duolo," is nicknamed "Heroide-elegiaque," and deviates from the introduction-lassan-friska structure that these pieces generally follow. For 10 points each:

[10] Name these nineteen pieces based on gypsy themes. The second, in C-sharp minor, is by far the most popular.

ANSWER: **Hungarian Rhapsodies**

[10] The *Hungarian Rhapsody No. 2* is the most famous piece by this Romantic piano virtuoso from Hungary, who also composed the *Transcendental Etudes*.

ANSWER: Franz **Liszt** [or **Liszt** Ferencz]

[10] The fifteenth of the *Hungarian Rhapsodies* is an arrangement of this tune, which appears as one of the instrumental numbers in Berlioz's *The Damnation of Faust*.

ANSWER: **Rakoczi March** <AG>

15. Judith Wallerstein performed a 25-year longitudinal study investigating the effect of this phenomenon on children. For 10 points each:

[10] Name this phenomenon, which affects 40 to 50 percent of marriages in the U.S. according to the American Psychological Association.

ANSWER: **divorce**

[10] John Gottman models marital stability by looking at these brief, uncontrolled facial movements. The show *Lie to Me* is based on Paul Ekman's use of these things to detect lies.

ANSWER: **microexpressions** [prompt on "facial **expressions**"]

[10] This German sociologist has written about the nuclear family. With Anthony Giddens, he theorized the "risk society" and discussed reflexive modernization.

ANSWER: Ulrich **Beck** <WN>

16. This leader legendarily built up an immunity to poison, which later foiled a suicide attempt. For 10 points each:

[10] Name this king of Pontus who waged three wars against the Roman Republic. Sulla drove him out of Greece after the first of those wars.

ANSWER: **Mithridates VI** of Pontus [or **Mithridates the Great**; prompt on "**Mithridates**"]

[10] This member of the First Triumvirate led the campaign that defeated Mithridates for good. He was assassinated in Egypt after Julius Caesar completely routed his forces at Pharsalus.

ANSWER: **Pompey** [or Gnaeus **Pompeius** Magnus]

[10] During the Third Mithridatic War, this man successfully besieged Tigranes the Great's capital, bringing Armenia into the Roman Empire. The gardens of the Villa Borghese stand on the gardens this man once maintained.

ANSWER: **Lucullus** [or Lucius Licinius **Lucullus**] <KG>

17. Answer the following about Native American religion, for 10 points each.

[10] Many tribes practice purification rituals in these lodges. Some people have died of things like dehydration while using them.

ANSWER: **sweat** lodges

[10] The Native American Church is famous for using this entheogen, which they refer to as "the sacred medicine."

ANSWER: **peyote** [accept **Lophophora williamsii**]

[10] Handsome Lake founded the Gaihiwi:io religion, which is sometimes named for the fact that worshippers gather in these places.

ANSWER: **longhouses** <WN>

18. The poet Thamyris was the first to fall in love with this figure, and in doing so, became the first man to love another. Too bad Thamyris lost a music contest to the Muses. For 10 points each:

[10] Name this Greek youth who died after a discus struck his head, leading his killer to be pardoned on the condition he serve Eros forever.

ANSWER: **Hyacinthus**

[10] Another man who fell victim to an errant discus was this father of Danae, and thus grandfather of Perseus. He had exiled his brother Proetus, but eventually gave him control of Tiryns while this man controlled Argos.

ANSWER: **Acrisius**

[10] Acrisius was hit by a discus at one of these events, which featured numerous athletic competitions held in honor of someone who had recently died. Achilles held one of these events in honor of Patroclus.

ANSWER: **funeral games** <SD>

19. Answer the following about American graphic novels, for 10 points each.

[10] Jews are represented by mice in Art Spiegelman's *Maus*, which dramatizes Spiegelman's father's survival of this event.

ANSWER: the Holocaust [or haShoah]

[10] The 2015 Tony for Best Musical went to an adaptation of this woman's graphic novel memoir *Fun Home*. Her namesake test asks whether a movie has two named female characters who talk to each other about something other than a man.

ANSWER: Alison Bechdel

[10] The term "graphic novel" was popularized by this 1978 Will Eisner work, which consists of several stories set in tenement buildings. Its title story is about the religious faith of Frimme Hersh.

ANSWER: A Contract with God <WN>

20. String theory's a thing. Maybe. For 10 points each:

[10] Much of string theory is done using this framework, in which every fermion has a bosonic partner and vice versa. If this symmetry exists it seems to be broken at scales much higher than energies accessible to LHC.

ANSWER: supersymmetry [or susy]

[10] M theory unifies type I, type IIa, and type IIb string theories with two theories of this type, in which one of the modes is supersymmetric and the other is purely bosonic. The symmetry groups are SO(32) and E8 cross E8.

ANSWER: heterotic

[10] Purely bosonic string theories are unstable because the ground states are tachyonic, meaning that the squares of their mass has this property. In general it's bad for the energies eigenvalues of the Hamiltonian to have this property.

ANSWER: negative [or equivalents like minus, less than zero, etc.] <BM>

Extra: Studies of the neural system of one member of this genus led to a 2000 Nobel Prize. For 10 points each:

[10] Name this genus. Its *californica* species is famous for its gill and siphon withdrawal reflex, which has been used to study learning processes like habituation and sensitization.

ANSWER: Aplysia

[10] *Aplysia* is a genus in this invertebrate phylum that includes cephalopods like squids, as well as gastropods like snails.

ANSWER: Mollusca [or mollusks]

[10] Almost all molluscs possess this chitinous structure that is sometimes compared to a tongue, which molluscs use for feeding.

ANSWER: radula <SD>