

### Tossups

0. This song's singer wonders "how do I get back there / To the place where I fell asleep inside you?" In a Clickhole video, knowing only a few words from this song didn't stop a guy from singing along like everyone else. A verse beginning "I believe in the sand beneath my toes" provides a momentary respite from this song's subject matter. This song was intended as a "San Francisco" response to Lou Reed's "Walk on the Wild Side," according to the band's frontman Stephan Jenkins, who lifted the (\*) "do-do-do, do-do-do-doo" refrain from it. This song's cheery facade is belied by lyrics like "Doing crystal meth will lift you up until you break." The chorus of this song repeats: "I want something else, to get me through this." For 10 points, name this hit by Third Eye Blind.

ANSWER: "Semi-Charmed Life" <AG>

1. A king from this house had a group of counselors nicknamed the marmousets. Another king of this house issued the Pragmatic Sanction of Bourges and had an affair with the first recognized royal mistress, Agnès Sorel. A king from this house ended up going mad and killing some of his own knights in a forest. The murder of that king's brother sparked the Armagnac-Burgundian Civil War. The Treaty of (\*) Troyes stipulated that Henry V would inherit the throne after the death of a king from this house. A king from this house was a rival of a man who died at the Battle of Nancy, Charles the Bold. Charles VI and Louis XI were members of this house. For 10 points, name this cadet branch of the Capetian Dynasty, which ruled France from 1328 to 1589.

ANSWER: House of Valois [prompt on "Capetian Dynasty" before mentioned] <WN>

2. This compound is often used along with methanol and water in order to destain when using Coomassie Blue. In a common industrial reaction, this compound is reacted with ethylene and oxygen over a palladium catalyst, and the resulting product is then polymerized. Trifluorinating this compound produces a molecule often used to cleave t-Boc protecting groups in (\*) solid-phase peptide synthesis. Rhodium and iridium catalysts have historically been used in the production of this compound, which occurs through the reaction of carbon monoxide and methanol. Anhydrous versions of this compound can form crystals similar to ice and so are referred to as its glacial forms. After formic acid, this compound is the second simplest carboxylic acid. For 10 points, name this two-carbon acid found in vinegar.

ANSWER: acetic acid [or ethanoic acid; or CH3OOH] <SD>

3. An avant-garde literary movement in this language is exemplified by poems such as "Stark Electric Jesus," and takes its name from a line by Chaucer. A famous poem in this language ends with the speaker crying "I raise my head beyond this world, high, ever erect and alone!" That poem, "The Rebel," was written by this language's "Rebel Poet." "The world has not been broken up into fragments by narrow domestic walls" in a "heaven of freedom" where the speaker prays "let my (\*) country awake" in a poem written in this language. This language's namesake "Renaissance" was spearheaded by Kazi Nazrul Islam, and by an author who described a place "where the mind is without fear" and wrote "Thou hast made me endless, such is thy pleasure" in a collection of "song offerings." For 10 points, name this language used in *Gitanjali* by Rabindranath Tagore.

ANSWER: Bengali [or Bangla] <WN>

4. Solanki & Montavon proposed an "uncombed" model in which a part of these structures consists of embedded flux tubes in a homogenous background. Redshift at the limbside and blueshift in the centerside of these objects are explained by Evershed flow of gas across them. Coriolis force is thought to explain the fact that the tilt angle between the leading and (\*) following of these objects increases with increasing latitude, and

they get flatter as they approach the limb. Groups of the delta class of these objects are strong emitters of H-alpha. George Hale used spectral Zeeman splitting to estimate that the magnetic fields in these objects is 2600 to 2900 gauss. The creation of these entities is maximal when the a certain magnetic flips polarity; that event occurs every eleven years. Solar flares often originate near, for 10 points, what dark regions on the sun?

ANSWER: sunspots [accept penumbra on first clue] <BM>

5. Nixon was upset at this country's decision to impose an arms embargo to combatants during the Yom Kippur War, depriving the Israeli army of spare parts for its Sho't tanks. Officials from the US and from this country met at Bermuda to sign the world's first bilateral air services agreement. Fears that Sikorsky Aircraft would take over this country's last helicopter manufacturer prompted its defense secretary to resign in 1986. The United States provided this country with Trident missiles to supplement its (\*) Polaris program. At Westminster College in Missouri, a politician from this country delivered the "sinews of peace" address, which predicted the rise of an "iron curtain." For 10 points, name this country whose "Special Relationship" with the US was especially strong during the tenure of Margaret Thatcher.

ANSWER: United Kingdom [or UK; or Britain; prompt on "England"] <AG>

6. A religious tradition from this nation is known as the "Oral Lineage" school because of its emphasis on orally passing down instructions. A god of this nation was called from his realm Petahor to protect the building Samye, which was the first religious structure of its kind in this nation. One religion of this nation has teachings such as "the four portals, and the fifth, the treasury," taught by its founder Shenrab in its language Zhang-Zhung. That religion is (\*) Bon. A religion from here chants Om Mani Padme Hum which is known as the Avalokiteshvara mantra and sacred because that religion's leader is an incarnation of Avalokiteshvara. The current of those figures leads the Yellow Hat sect of Buddhism from Lhasa and is named Tenzin Gyatso. For 10 points, name this nation whose school of Buddhism is led by the Dalai Lama.

ANSWER: Tibet [prompt on "People's Republic of China" or "Zhongguo"] <BM>

7. After the protagonist shakes this character's hand, he rubs his hands together to warm them and, as the novel tells us in all caps, "TO RUB HIS OFF." This character, who may be modeled after Hans Christian Andersen, moves around in a writhing manner, has lashless red eyes, and his name is often invoked to describe someone sycophantic. In a morally ambiguous scene, the protagonist strikes this character on the face for suggesting that Dr. Strong's wife may be cheating on him. This character is eventually (\*) convicted of defrauding the Bank of England and sentenced to prison in Australia not long after being confronted by Miss Betsey, Tommy Traddles, and Mr. Micawber. While working as a clerk to Mr. Wickfield, this character schemes to marry Wickfield's daughter Agnes. For 10 points, name this villain from the second half of *David Copperfield*.

ANSWER: Uriah Heep [accept either underlined name] <AG>

8. A very long piece of this type based on a devotional song popular in Tyrol is dedicated to "tender Maria," and was composed by Jacob Obrecht. An oft-imitated, anonymous piece of this type is named for the melisma it has on the word "caput." A five-movement work of this type consists pairs of mensuration canons with the interval between the canons widening with each successive movement. One of the most famous "paraphrase" pieces of this type is based on Thomas Aquinas's hymn *Pange Lingua*. Composers who used (\*) "L'homme arme" as a cantus firmus for these kinds of pieces include Guillaume Dufay and Josquin des Prez. The most famous of these pieces "without a name," or "sine nomine," features a second "Agnus Dei" and supposedly convinced the Council of Trent not to ban polyphonic music. For 10 points, name these sacred choral works, such as Palestrina's *Pope Marcellus* one.

ANSWER: Renaissance masses [or missa] <AG>

9. The composer of this song ended it with a borrowed line of notes from his earlier standard “Glad to be Unhappy.” The posthumous album *Selflessness* features a groundbreaking performance of this song recorded at the 1963 Newport Jazz Festival. In a rendition of this song, McCoy Tyner and his bandmate play solos over the ostinato chords E major and E minor. In the film adaptation, Ernest Lehmann moved “The Lonely Goatherd” to another scene so that this song could be sung indoors during a (\*) thunderstorm. A famous fourteen minute modal jazz rendition of this song was made by John Coltrane. “When the dog bites, when the bee stings, when I’m feeling sad,” the singer of this song remembers the title objects, and then doesn’t feel so bad. For 10 points, name this song from the *Sound of Music* that begins: “Raindrops on roses and whiskers on kittens.”  
ANSWER: “My Favorite Things” <AG>

10. A type of movement represented by this letter is exemplified by movement to the specifier position of the TP. The binding principle referred to by this letter states that reflexives must be locally bound. A vowel represented by this letter in the International Phonetic Alphabet is fronted in the Northern Cities Shift. In the International Phonetic Alphabet, a rotated version of this letter represents the near-low central vowel, while this letter itself represents the low (\*) front unrounded vowel. The vowel sound in “cat” is represented by a ligature combining this letter and the letter “e.” Semanticists often use an upside-down version of this letter to represent the universal quantifier, meaning “for all.” For 10 points, name this letter which, in English, represents the indefinite article.  
ANSWER: A <WN>

11. Mahan and Sofo showed that this effect is maximized when the electronic density of states is a delta function. The figure of merit for materials displaying this effect, denoted ZT, approaches two for some nanocomposites like lead telluride. One coefficient which describes this effect is proportional to the derivative of conductivity with respect to energy according to the Mott formula. The (\*) Thomson relations describe the relationships between three coefficients of this effect. The version of this effect which causes a change in temperature is the Peltier effect and the one which is the basis for operation of a thermocouple, the Seebeck effect. For 10 points, name this interconversion between temperature gradients and voltage.  
ANSWER: thermoelectric effect [or Seebeck effect; or Peltier effect; or Thomson effect] <BM>

12. A chairman in this novel is detained after finding out that his briefcase is empty and that the money he hid in the ventilation had transformed into foreign currency. In a chapter of this novel titled “Glory to the Cock,” Rimsky is surprised when he realizes that his partner no longer casts a shadow. A party in this novel was inspired by a real-life one hosted by U. S. Ambassador William Bullitt and is attended by one of its (\*) title characters after she applies cream that allows her to fly. Many women in this novel are left in their underwear after their dresses suddenly disappear following a show at the Variety Theater. The first title character of this novel is told “Manuscripts don’t burn” after trying to destroy a draft of a novel about Pontius Pilate. For 10 points, name this novel in which Satan disguises himself as Professor Woland in Moscow, by Mikhail Bulgakov.  
ANSWER: *The Master and Margarita* [or Master i Margarita] <KG>

13. The 5-alpha reductase inhibitor finasteride promotes the growth of these structures. Horny, flattened, nucleated cells can be found in Huxley’s layer, and cubical cells with clear, flattened nuclei make up Henle’s layer, in these structures. These structures grow during the anagen phase, stop growing during the catagen phase, and rest during the telogen phase. Fetuses and newborns possess a type of these structures known as lanugo. An excess amount of the terminal and (\*) vellus forms of these structures are present in a condition called hypertrichosis. Androgen alopecia results in the loss of these structures in seventy percent of men. Contraction of the arrector pili muscles causes these structures to stand on end in response to stress. For 10 points, name these keratin-filled protein filaments that grow from follicles in the skin.  
ANSWER: hairs [accept hair follicles until mentioned] <AG>

14. A scorned lover of this god starved herself and turned into a purple flower after she caused her father Orchamus to bury Leucothoe alive. The Etruscans worshipped a form of this god called Usil. This deity gave Medea a golden chariot drawn by dragons, which she used to leave Corinth. Hercules used one of this god's possessions to reach Erytheia, the home of Geryon's cattle. One of his daughters loved Glaucus and out of jealousy turned (\*) Scylla into a monster, while another had a wooden cow built. This son of Hyperion and Theia witnessed Ares and Aphrodite in bed, which he later reported to Hephaestus. Odysseus was unable to prevent his men from eating cattle belonging to this god, so he destroyed his ship. For 10 points, name this Greek god whose son Phaethon could not control his chariot, the god of the sun.

ANSWER: Helios <NC>

15. A character created by this playwright tells his protege that you can't live on coffee, saying that he eats yogurt as well, "and it wouldn't kill you to take a vitamin." Shortly after, another of his characters complains about Ruthie remarking "Help yourself" after he took a piece of toast from Grace. A play by this man features an argument about whether an unseen character who was mugged was admitted to Columbia or Masonic Hospital. In a play by this man that opens at a Chinese (\*) restaurant, the Patels are mocked in a discussion between Aaronow and Moss. Bobby and Teach appear in a play by this author set at Don's Resale Shop. At the end of his most famous play, the detective Baylen takes Shelley Levene into a room for questioning after he admits to stealing the leads. For 10 points, name this author of *American Buffalo* who wrote about real estate agents in *Glengarry Glen Ross*.

ANSWER: David Mamet <SD>

16. Like Plutarch, passages in this philosopher's writings are often referred to using the Stephanus pagination. Jacques Derrida reinvigorated interest in this philosopher's use of the term *khora* to mean a type of space or receptacle. In a work by this philosopher, the preposition *metaxy*, meaning "between," is used in a discussion of Eros as "a great daimon." He is generally credited as the first philosopher to characterize knowledge as (\*) justified true belief, but he also characterized knowledge as a form of recollection, which he argued for using the example of an uneducated slave who nonetheless solves a geometrical puzzle. He discussed the myth of Er in a work which also imagines people watching shadows projected onto the wall of a cave. For 10 points, name this philosopher who wrote dialogues such as *Meno* and *The Republic*.

ANSWER: Plato <WN>

17. This artist's work was championed by Thomas B. Hess, who outlined his process in the article "[this artist] Paints a Picture." A portrait sometimes thought to depict this artist, which probably actually depicts a Swedish carpenter, shows its subject holding a palette in his lap. Though primarily known as a painter, he also made sculptures such as *Clamdigger* and *Seated Woman on a Bench*. Robert (\*) Rauschenberg erased one of this artist's drawings. This friend of Arshile Gorky married Elaine Fried. Between 1950 and 1953, he made a series of paintings including one which pairs its central figure with a bicycle. For 10 points, name this Dutch-American painter of the *Woman* series.

ANSWER: Willem de Kooning <WN>

18. An over 400-foot-long painting by Werner Tübke set during this conflict is displayed at the Panorama Museum. This conflict's eventual losers captured Weinsberg and had its ruling Count of Helfenstein run the gauntlet. Predecessors to this conflict were led by groups who flew banners depicting a tied shoe. During this conflict, the combined armies of Philip of Hesse and George, Duke of Saxony devastated their opponents at (\*) Frankenhausen. Following the Revolutions of 1848, Friedrich Engels wrote a tract about this conflict, whose losing side was supported by a knight famous for his prosthetic iron arm. The losing side in this conflict was

denounced as “Murderous, Thieving Hordes” by Martin Luther. For 10 points, name this 1525 conflict in the Holy Roman Empire, in which the Swabian League killed thousands in the rebelling lower class.

ANSWER: the German **Peasants’** War [or German **Peasants’** Revolt; or Deutscher **Bauern**krieg; accept obvious equivalents] <KG>

19. In January 2014, protests over the delays in closing one of these places caused the Lebanese company Sukleen to stop serving Beirut for three days. One of these places became the site of Moerenuma Park in Sapporo, thanks to Isamu Noguchi’s final project before death. One of these places in the Fresh Kills estuary on Staten Island was once the world’s largest. Thousands of people live in a slum established at an infamous one of these places nicknamed “Smokey Mountain” in Manila. (\*) Hooker Chemical used one of these places at Love Canal, then covered it with soil. Clay is often used to line the bottom of these places to prevent toxic chemicals from leaching into the ground. For 10 points, name these places designated as sites for trash disposal.

ANSWER: **landfills** [or **dumpsites**] <KG>

20. An inscription depicting an attack by this group curiously includes images of ox-carts carrying their women and children. The title priest of the Story of Wenamun gets robbed in the domain of a king of this group, Beker, who rules the port town of Dor. Merneptah defeated a coalition of “Nine Bows,” who may correspond to peoples like the Tjeker and Lukka included in this group. Emmanuel de Rouge coined the term for this group based on his translation of reliefs at the mortuary temple at Medinet Habu. Carchemish survived a (\*) siege by this people and became the de-facto capital after Hattusa fell to them. At the Battle of the Delta, Ramesses III thwarted an invasion by this group. These people were thought to originate from Western Anatolia and various points around the Aegean. For 10 points, the end of the Bronze Age in the Eastern Mediterranean coincided with invasions by what mysterious maritime peoples?

ANSWER: **Sea Peoples** [accept **Sea** after “peoples” is read; accept **Tjeker** before mentioned; accept **Lukka** before mentioned] <AG>

Tiebreaker: One of this author’s characters observes that “One half of the world cannot understand the pleasures of the other.” A woman tries to sneak away from a man making her translate a concert program from Italian in one of this author’s novels, in which the amusingly-named Charles Hayter gets engaged to his cousin. This author wrote that “I do not want people to be very agreeable, as it saves me the trouble of liking them a great deal” in a letter to her (\*) sister Cassandra. At the start of a novel by this author, dire economic circumstances force a family to rent Kellynch Hall to the Crofts, bringing Captain Wentworth back into the life of Anne Elliott. Robert Martin gets initially rejected by Harriet Smith on the advice of the title character of another novel by this author, who ends up with her much older neighbor George Knightley. For 10 points, name this author of *Persuasion* and *Emma*.

ANSWER: Jane **Austen** <AG>

MLK 2016: Amusing Subtitle  
Packet 3

### Bonuses

1. During the Log Revolution, people native to one of these two modern-day countries constructed blockades made of logs in the other, rejecting changes made after a 1990 election. For 10 points each:

[10] Name these two former members of Yugoslavia. Paramilitary units from one of them perpetrated the Vukovar Massacre in the other.

ANSWER: Serbia and Croatia [or Republic of Serbia and Republic of Croatia; accept Republika Hrvatska in place of “Croatia”; accept Republika Srbija in place of “Serbia”; do not accept answers mentioning “Republika Srpska,” because that’s different]

[10] JNA troops stationed in Serbia had to cross this river to get into Croatia during the Croatian War of Independence. Two cities across from each other on this river united to form Budapest.

ANSWER: Danube River

[10] In April 2015, a Czech politician established this self-proclaimed “Free Republic” on the still-disputed Croatian-Serbian border.

ANSWER: Free Republic of Liberland <KG>

2. Heinrich Schutz made three German and one Latin settings of Martin Luther’s translation of this text, “Meine Seele erhebt den Herren.” For 10 points each:

[10] Name this text, whose most famous setting is a twelve-movement choral piece that exists as either a 1723 version in E-flat major, or as the more popular 1733 version in D major omitting four Christmas hymns. This text is Mary’s response in the Gospel of Luke to Elizabeth praising her faith.

ANSWER: Magnificat [or BWV 243a]

[10] The aforementioned *Magnificat*, *Mass in B minor*, and *St. Matthew’s Passion* are all popular choral compositions by this leading Baroque German composer, the first of the three B’s.

ANSWER: J.S. Bach [or Johann Sebastian Bach]

[10] Bach’s *Magnificat*, his cantata *Der Himmel lacht! Die Erde jubilieret*, and his funeral motet *Jesu, meine freude* are all set for an extended chorus with this many voices.

ANSWER: five <AG>

3. This essay is about a figure “who sees, through the flowing vest, the firm nature, and can declare it.” For 10 points each:

[10] Name this essay, which states “I look in vain for” the title figure, who “apprises us not of his wealth, but of the common-wealth.”

ANSWER: “The Poet”

[10] The publication of Emerson’s “The Poet” influenced the writing of this Walt Whitman collection, which includes the poem “Song of Myself.”

ANSWER: Leaves of Grass

[10] This other Emerson essay is about a “Unity” which he describes as “the Supreme Critic on the errors of the past and present.”

ANSWER: “The Over-Soul” <WN>

4. This holiday falls on the first day of Shawwal, and in the last few days of the previous month each family gives donations of food to the needy. For 10 points each:

[10] Name this usually three day festival which celebrates the end of the month of Ramadan.

ANSWER: Eid al-Fitr

[10] Eid al-Adha celebrates Ibrahim’s willingness to sacrifice this son. This son of Hagar agrees to be sacrificed, unlike his unknowing brother Isaac in the related Judaic story.

ANSWER: Ismail [or Ishmael]

[10] On the 12th of Rab’ al-awwal, many Muslims celebrate this event which in Indonesia is commemorated by the week long Sekaten festival. Some fundamentalists do not observe it because there is no basis for doing so in the life of the Prophet.

ANSWER: birthday of Muhammad [or Eid-al Mawlid or a million other names] <BM>

5. These poems were later published in the collection *Les Epaves*. For 10 points each:

[10] Describe this set of six poems, which includes “Lesbos,” “The Jewels” and “The Vampire’s Metamorphoses.”

ANSWER: the poems censored from *Les **Fleurs du Mal*** [accept anything denoting they weren’t allowed to be published in *Les Fleurs du Mal*; accept *The **Flowers of Evil*** in place of *Les Fleurs du Mal*]

[10] *Les Fleurs du Mal* is the most famous collection of this French poet.

ANSWER: Charles Baudelaire

[10] In both editions of *Les Fleurs du Mal*, the poem “To the Reader” is followed by a section whose title pairs this concept with “ideal.” Baudelaire also wrote a book of prose poetry named after this concept in Paris.

ANSWER: spleen <WN>

6. Answer the following related to “tigers” in the Indian subcontinent, for 10 points each.

[10] This Sinhalese-majority island is where the separatist Tamil Tigers chiefly operated.

ANSWER: Sri Lanka [or Ceylon if you’re a time traveler]

[10] This emperor’s name means “tiger” in Persian. He built a namesake mosque on the site of a temple to Rama in Ayodhya, and was earlier kicked out of the Fergana Valley after laying siege to Samarkand twice.

ANSWER: Babur [or Zahir ud-Din Muhammad Babur; or Babar; or Baber]

[10] This ruler legendarily saved a Frenchman from a tiger attack and commissioned an automaton of a tiger attacking an Englishman. This son of Hyder Ali used rockets during a victory at the Battle of Pollilur.

ANSWER: Tipu Sultan [of Mysore] <KG>

7. These proteins activate RNase L to destroy all RNA in cells and protein kinase R to halt translation activity. For 10 points each:

[10] Name these immune signaling proteins that impede viral replication during an infection. The release of the gamma isoform of these proteins is measured in an assay for tuberculosis.

ANSWER: interferons [or IFNs; prompt on cytokines]

[10] Interferon-beta is primarily used to treat this autoimmune disorder in which the myelin insulating neurons in the brain and spinal cord is destroyed. Richard Pryor and Ann Romney are among its famous sufferers.

ANSWER: multiple sclerosis [or MS]

[10] This specific population of T cells uses IFN-gamma as its main effector, is triggered by IL-2 and IL-12, and boosts the killing efficiency of macrophages and CD8+ T cells.

ANSWER: Th1 cells [or type I helper T cells; prompt on helper T cells; prompt on Th cells] <AG>

8. This thinker introduced a conceptual triad of space which includes everyday and practical conceptions, representations used by cartographers, and an underground or imaginary conception which is linked to social life and art. For 10 points each:

[10] Name this French Marxist who wrote *The Production of Space*.

ANSWER: Henri Lefebvre

[10] Lefebvre was particularly interested in these entities, which he thought that people had the right to access and change. Approaches to their design include New Urbanism, which emphasizes walkability.

ANSWER: cities

[10] Marx discussed how this occurs between the worker and his product because the worker sells his labor for a wage. In *Critique of Everyday Life*, Lefebvre claims that modern capitalism has extended this feeling to all activities, not just labor.

ANSWER: alienation [or estrangement] <BM>

9. This artist showed a woman looking at her child in the painting *The Cradle*. For 10 points each:

[10] Name this artist, who was painted holding a difficult-to-see bouquet of violets by her friend Edouard Manet.

ANSWER: Berthe Morisot [or Berthe Marie Pauline Morisot]

[10] Manet and Morisot were members of this artistic movement, given a derogatory name by Louis Leroy.

ANSWER: French **Impressionism**

[10] Morisot depicted her mother and sister in a painting named for this activity. Two women in black sit at a table in a painting by Henri Fantin-Latour named for this activity.

ANSWER: **reading** [or *La Lecture*] <WN>

10. Modulated doping field effect transistors are commonly made from heterojunctions of silicon and this element. For 10 points each:

[10] Name this metal which lies right below silicon on the periodic table.

ANSWER: **germanium** [or **Ge**]

[10] This value is .67 electron volts for germanium and 1.1 electron volts for silicon. It's the amount of energy needed to excite electrons enough for conduction.

ANSWER: **band gap**

[10] Electrons are in this phase at the heterojunction of a MODFET, giving MODFETs higher carrier mobility. This is because the shape of the band edge causes electrons to be tightly confined in one of their dimensions.

ANSWER: **two dimensional electron gas** [or **2DEG**] <BM>

11. Answer the following about barrels and treason in British history, for 10 points each.

[10] Robert Catesby and Guy Fawkes put together thirty-six barrels of this substance in a plot to kill James I. Their plan never materialized, however.

ANSWER: **gunpowder**

[10] Many of the letters concerning this plot were hidden in the corks of beer barrels. Double agents like Gilbert Gifford allowed Francis Walsingham to foil this plot, which led to the execution of Mary, Queen of Scots.

ANSWER: **Babington** Plot

[10] This man had Ankerette Twynhyo hanged for poisoning his wife, Isabel Neville. He was later drowned in a barrel of wine after committing treason against his brother, Edward IV, by supporting the Earl of Warwick.

ANSWER: **George** Plantagenet, 1st Duke of **Clarence** [accept either underlined part] <KG>

12. In the David Garrick-authored prologue to this play, Mr. Woodward laments the decline of sentimental comedy. For 10 points each:

[10] Name this play which begins with George Hastings and his friend Charles Marlow getting lost and ending up in the Three Pigeons Alehouse.

ANSWER: ***She Stoops to Conquer***

[10] This Irish author of *The Vicar of Wakefield* wrote of Kate Hardcastle's attempts to snag Marlow in *She Stoops to Conquer*.

ANSWER: Oliver **Goldsmith**

[10] The plot of the play proceeds with Kate's step-brother Tony Lumpkin playing a practical joke on Marlow and Hastings by directing them to an "inn" which is actually this place.

ANSWER: the **Hardcastle manor** [accept any synonyms for "house"] <WN/AG>

13. Answer the following about supposed historical incidents involving exploding cigars, for 10 points each.

[10] As part of Operation Mongoose, the CIA may have planned to assassinate this Cuban leader with an exploding cigar. This Communist allowed Khrushchev to place Soviet missiles in Cuba.

ANSWER: Fidel **Castro** [or Fidel Alejandro **Castro** Ruz]

[10] This president supposedly gave Horace Norton an exploding cigar, which Norton kept on display for years. His private secretary was Orville Babcock.

ANSWER: Ulysses S. **Grant** [or Hiram Ulysses **Grant**]

[10] Ernest Hemingway reportedly gave an exploding cigar to one of the bodyguards of this successor to Atatürk as Turkish president. This general was Turkey's chief negotiator for the Treaty of Lausanne.



ANSWER: İsmet İnönü [accept either underlined part] <WN>

14. Name these authors of literature about cancer, none of whom are John Green, for 10 points each.

[10] This author, herself a breast cancer patient, described how society uses “blame the victim” language to describe diseases and their sufferers in her treatise *Illness as Metaphor*.

ANSWER: Susan Sontag

[10] This lesbian Caribbean-American author of the autobiography *Zami: A New Spelling of My Name* discussed her refusal to wear a silicone breast after treatment in her *Cancer Journals*.

ANSWER: Audre Lorde [or Audrey Geraldine Lorde]

[10] This poet’s “Death from Cancer” is the first part of an extended elegy for his grandfather Arthur Winslow. He is better known for poems such as “For the Union Dead” and “Skunk Hour.”

ANSWER: Robert Lowell [or Robert Traill Spence Lowell IV] <AG>

15. This philosopher distinguished between relations of ideas and matters of fact in books like *A Treatise of Human Nature* and *An Enquiry Concerning Human Understanding*. For 10 points each:

[10] Name this Scottish empiricist philosopher.

ANSWER: David Hume

[10] Hume advanced this theory that the self is nothing more than a collection of perceptions. For objects in general, this theory states that objects are nothing more than collections of properties.

ANSWER: bundle theory

[10] This philosopher’s namesake regress is a problem concerning relations between properties of objects in bundle theory. This idealist wrote that objects are only appearances, behind which lies a reality called the Absolute.

ANSWER: Francis Herbert Bradley <WN>

16. If the class of these things forms a set, then the structure of which they a part is called “locally small.” For 10 points each:

[10] Name these elements of hom-sets which map between a target and a source and which may be combined by an associative composition operation.

ANSWER: morphisms or arrows [do not accept any specific type of morphisms]

[10] Objects and morphisms a parts of these abstract mathematical structures. Functors map one of these to another.

ANSWER: category

[10] If a category has an object A, it will have this map for which A is the target and the source. For the category of matrices, this matrix has ones on the diagonal and zero in other positions.

ANSWER: identity map or matrix or morphism <BM>

17. In the first step of tamoxifen synthesis, one of these compounds is added to make a tertiary alcohol. For 10 points each:

[10] Name this class of magnesium containing organometallic compounds which add to carbonyls and are used in synthesis reactions to create new carbon-carbon bonds.

ANSWER: Grignard reagents

[10] E. J. Corey formulated this organic synthesis technique, where you deconstruct a target molecule into simpler precursors until a readily available starting material is obtained.

ANSWER: retrosynthesis

[10] In an organic synthesis, you may need to perform one of these reactions that lets you create compounds that may be too strained to simply synthesize directly. The Favorskii rearrangement is a classic example.

ANSWER: ring contraction [accept descriptions like making a ring smaller] <SD>

18. This city's mayor, Henriette Reker, was criticized for her response to a rash of late 2015 incidents. For 10 points each:

[10] Name this German city where women reported over 500 cases of sexual harassment and theft during New Year's Eve celebrations. National media delayed reporting on those attacks, since many of the assailants appeared to be of North African descent.

ANSWER: Cologne, Germany [or Köln]

[10] This phrase, taken from Reker's suggestion that women should avoid men, was co-opted into a hashtag criticizing Reker.

ANSWER: "an arm's length" [or "eine Armlänge"]

[10] A tweet that used the #EineArmLaenge hashtag also included a photo of this current German chancellor with outstretched arms that previously went viral after the June 2015 G7 summit.

ANSWER: Angela Merkel [or Angela Dorothea Merkel] <KG>

19. In order to reach Mictlan, one had to wander for four years alongside one of these animals. For 10 points each:

[10] Name this animal. One of these animals is commonly depicted as the head of Xolotl, although sometimes Xolotl is entirely one of these animals.

ANSWER: dogs [or hounds]

[10] In a Mesoamerican myth regarding this common mythological catastrophe, the only survivors are a man and a dog who sometimes takes the shape of a woman. Deucalion and Pyrrha survived one in Greek myth.

ANSWER: floods [or deluges]

[10] This group of the four sons of Itzamna and Ixchel escaped the great flood. They were placed at the four corners of the Earth to hold up the sky.

ANSWER: the Bacabs <SD>

20. In this film, we never see a close-up of the face of the apparently beautiful Lady Sué. For 10 points each:

[10] Name this *King Lear*-inspired film in which Hidetora divides his kingdom among his three sons.

ANSWER: Ran

[10] *Ran* is by this Japanese director of *Seven Samurai*.

ANSWER: Akira Kurosawa

[10] In this Palme d'Or winner by Kurosawa, a thief who has been saved from crucifixion impersonates the deceased warlord Shingen.

ANSWER: Kagemusha [or Shadow Warrior] <WN>

Tiebreaker. The originator of the model worked it out by moving pennies and dimes around on a chessboard in an attempt to elucidate mechanisms by which neighborhoods "tip." For 10 points each:

[10] Name this model in which an agent will only leave a space if a certain percent of the surrounding agents are a different color from him.

ANSWER: Schelling segregation model [accept either underlined part]

[10] Schelling is also known for his research on these solutions people use for coordination without communication. Schelling used Grand Central Station as an example of where strangers might decide to meet if they didn't agree on the location beforehand.

ANSWER: focal points

[10] Schelling also discussed the Hobbesian Trap, a situation which arises when mutual distrust lowers the payoff from dovish strategies and shifts these entities towards hawkish ones. In game theory these solutions refer to points in which no player can improve his situation by changing her strategy individually.

ANSWER: Nash equilibria <BM>