

Editors: Taylor Harvey, Alex Shaw, Jonathen Settle, Peter Torres

Writers: Taylor Harvey, Alex Shaw, Jonathen Settle, Peter Torres, Katia Diamond, Yonathan Stone, Zach Foster, Tracy Mirkin, Leo Law, Bradley Kirksey, and Chandler West

Toss Ups:

1. One song by this band served as the title theme for *FIFA Football 2002* and includes lines like “it’s the music that we choose.” One song by this band was originally written for the supergroup The Good, the Bad and the Queen but was moved to a later album that includes tracks like “Rhinestone Eyes” and “Empire Ants.” This band’s 2017 album featured Vince Staples on the track “Ascension” and Popcaan on the track “Saturnz Barz.” An earlier effort by this band includes the singles “El (\*) Mañana” and “Dirty Harry”, but that album is probably best known for a song with the line “Windmill, windmill for the land” and that asks “is everybody in?” Damon Albarn fronts, for 10 points, what virtual band known for songs like “Feel Good Inc” and “Clint Eastwood.”

ANSWER: Gorillaz <Peter/Ed. TH>

2. This philosophical work became popular after a series of lectures on it was given by Alexandre Kojeve. In this work, the author explains why neither of two men can die in a “death struggle,” since that would be an “abstract negation.” The most notable concept presented in this work is explained through the example of a lord and a bondsman in a mutual struggle for recognition. Along with the author’s other work, *The Science of Logic*, this work uses the term (\*) “sublation” to describe part of a process involving thesis, antithesis, and synthesis. The master-slave dialectic is presented in—for 10 points—what best known work of George Hegel?

ANSWER: The *Phenomenology of Spirit* [accept *The Phenomenology of Mind*; accept *Science of the Experience of Consciousness*; accept *Phänomenologie des Geistes*] <Alex/Ed. AS>

3. At the end of this battle, one general offered to adopt Susanna Dickinson’s daughter Angelina and have her educated in his native capital. Captain John C. Neill used artillery in this battle that was earlier captured in a skirmish at Concepción along with gifted artillery from the New Orleans Grays. This battle is said to have caused the “Runaway (\*) Scrape” along with the Goliad Massacre. The co-commanders of the defense at this battle were William B. Travis and James Bowie, the latter of whom became an American folk hero. For 10 points, name this 1836 battle of the Texas Revolution which occurred at the namesake Spanish mission turned fort.

ANSWER: Battle of the Alamo <Peter/Ed. PT>

4. This nation’s Harvester Case, decided by the Court of Conciliation and Arbitration, guaranteed unskilled laborers a living wage in it. The Caledon Bay Crisis in this nation saw native people kill five Japanese fisherman searching for a certain type of sea cucumber on its shores, while policeman Albert McColl was killed by Yolngu people in the immediate aftermath. This nation’s Prime Minister, Harold Holt, headed the UAP and was presumed to have (\*) drowned while swimming in a resort town. During the Pacific War, this nation served as refuge for General MacArthur immediately after the loss of the Philippines and its city of Darwin was attacked by two hundred Japanese aircrafts. For 10 points name this nation with cities such as Melbourne and Sydney.

ANSWER: Commonwealth of Australia <Peter/Ed. PT>

5. An atonal opera in this language features the title character singing “Still, all is still as if the world died” in opposition to his fellow soldiers’ sadism. An opera in this language features a shooting contest in which a bullet’s path is influenced to hit Agatha, the lover of its protagonist Max. In a different opera in this language, Leonore disguises herself as the title character to rescue her husband Florestan from prison. That opera is (\*) *Fidelio*, the only opera by Beethoven. The genre of Singspiel was developed in this language and is exemplified by Mozart’s *The Magic Flute*. For 10 points, name this language used in the operas of Carl Maria von Weber and Richard Wagner.

ANSWER: German [or Deutsch] <Taylor/Ed. TH>

**6. In Flory-Huggins theory, this quantity is equal to  $RT$  times  $\chi$  times the number of solvent molecules times the volume fraction of polymer molecules. Kirchoff's law says the change in this quantity is a function of temperature and heat capacity. The temperature derivative of the natural logarithm of the equilibrium constant equals the change in this quantity over  $R$  times  $T$  squared according to the (\*) Van't Hoff equation, and this quantity is obtained by adding the product of pressure and volume to internal energy. The change in this quantity for the overall reaction is equal to the sum of the changes in this quantity for the individual reactions according to Hess's law. For 10 points, Gibbs free energy is equal to what thermodynamic potential minus temperature times entropy?**

ANSWER: **enthalpy** [accept **H** or **delta-H**] <Jonathen/Ed. JS>

**7. A poem named for this U.S. state claims "If you come to a land with no ancestors to bless you / you have to be your own ancestor," before concluding that "the good thing about being Chinese on Amtrak / is no one sits next to you." That poem is titled "Riding into" *this state*, and was written by Shirley Geok-lin Lim. A different poem partially titled for this state describes "strolling past blue automobiles in driveways," and its speaker asks (\*) "who killed the pork chops? What price banana?" Garcia Lorca and Walt Whitman are found in a supermarket in this state in a poem by Allen Ginsberg. For 10 points, name this West Coast state, the setting of a novel in verse by Vikram Seth called *The Golden Gate*.**

ANSWER: **California** <Taylor/Ed. AS>

**8. One character in this play notes that "Hell is empty / And all the devils are here." Another character in this play responds "Your tale sir, would cure deafness" after repeatedly being asked if she is paying attention. A character in this play describes "bones [that] are coral made" after declaring (\*) "Full fathom five your father lies." A steward and a jester named Stephano and Trinculo help Caliban overthrow his master in this play, and King Alonso believes he is shipwrecked along with Antonio after the Duke of Milan conjures a storm. For 10 points, name this Shakespeare play in which Prospero tries to restore Miranda to her rightful throne.**

ANSWER: *The **Tempest*** <Alex/Ed. AS>

**9. The CTSS scheduling algorithm uses a multilevel system of these data structures. Along with processing, transmission, and propagation, the time that packets spend in one of these data structures contributes to network delay. The iterative method of performing a level-order tree traversal employs these data structures, which are also used in iterative (\*) breadth-first search. Elements can be added to or removed from either the front or back of the double-ended type of these data structures. The Java interface for these data structures includes the poll operation. For 10 points, name this data structure that operates in a first in, first out manner, in contrast to a stack, which analogizes to a line at the grocery store.**

ANSWER: **queue** [accept **deque** ("deck")] <Jonathen/Ed. JS>

**10. This military leader's legacy is honored in his home country each year on November 6 in celebrations including pastries with chocolate or marzipan reliefs of this man. This leader gained control of Livonia after signing the Treaty of Altmark with Poland. In one battle, this leader was victorious after constructing a pontoon bridge over the Lech River. After this victor at the Battle of Rain was killed at the Battle of Lutzen, his chancellor (\*) Axel Oxenstierna continued to fight in his stead. This man's troops outflanked those of the Count of Tilly in his win at the Battle of Breitenfeld. For 10 points, name this protestant King of Sweden during the Thirty Years War known as the "Lion of the North."**

ANSWER: **Gustavus Adolphus** [or **Gustav** (II) **Adolf**] <Alex/Ed. PT>

11. This thinker ended one work by noting that it was not “summer bloom” that lies ahead, but rather a “polar night of icy darkness and hardness.” In that essay, this thinker described tradition, charisma, and law as three ways for a government to achieve legitimate authority. In his best known work, which was initially translated into English by Talcott Parsons, this thinker posited that society underwent a series of (\*) disenchantments that led to the imposition of the “iron cage of rationality” of the bureaucracy, and that the work practices of Calvinists led to the economic growth in Western society. For 10 points, name this author of “Politics as a Vocation” and *The Protestant Ethic and the Spirit of Capitalism*.

ANSWER: Karl Emil Maximilian (“Max”) **Weber** <Alex/Ed. AS>

12. In a novel, this thing is used by a cult that forms around the Tunguska meteor incident to “make people’s heart sing.” That novel is the first in a trilogy by Vladimir Sorokin named for this substance, which also includes the novels *Bro* and *23,000*. The first line of (\*) *One Hundred Years of Solitude* famously mentions the discovery of this substance. A poem states that “But if it had to perish twice / I think I know enough of hate / To say that for destruction *by this substance* / Is also great.” For 10 points, a Robert Frost poem contrasts the end of the world by means of fire and what other substance?

ANSWER: **ice** <Taylor/Ed. AS>

13. Aggrecan forms complexes with hyaluronan and link protein in this tissue that is present in endochondral ossification but lacking in intramembranous ossification. Chondrocytes synthesize proteo-glycans and type II collagen to produce the dense extracellular matrix that composes the majority of this tissue. Dermal denticles or placoid scales are found in a class of (\*) fish named for this tissue which includes skates and rays. This tissue contains isogenous groups towards the center of its hyaline type. The viscoelasticity of this tissue allows it to reduce wear on load bearing joints, and the breakdown of bone and this tissue causes osteoarthritis. For 10 points, name this flexible tissue found in the ears and the nose.

ANSWER: **cartilage** [accept hyaline **cartilage**] <Jonathen/Ed. JS>

14. A text usually named for one of these objects asserts “The Perfection of wisdom is the greatest mantra / It is the clearest mantra / the highest mantra.” Margaret Mary Alacoque was a Christian mystic best known for advocating devotion to a “sacred” one of these objects. A Buddhist text named for one of these objects opens by asserting “Body is nothing more than emptiness / emptiness is nothing more than body.” The “Five Wounds of Christ” are usually depicted as two hands, two feet, and one of these things. When (\*) Catholics perform the sign of the cross, they refer to “The Son” while touching a place on the body corresponding to this thing. For 10 points, name this internal organ that is often used to symbolized the center of one's being or love.

ANSWER: **heart** [accept Sacred **Heart** or **Heart** Sutra] <Taylor/ Ed. TH>

15. This artist was influenced by Arthur Wesley Dow’s compositional theory during this artist's time at the University of Virginia, leading to a series of flattened depictions of the campus. This artist painted a series of paintings featuring tall flagpoles in front of houses as part of this artist's “My New Yorks” series. This artist made a series of spiraling sculptures called “Abstractions” that were inspired by (\*) rams’ horns. This artist often painted the flat-topped mountains around her property of Ghost Ranch in New Mexico. For 10 points, name this American artist who was married to Alfred Stieglitz and is best known for colorfully abstract depictions of flowers and animal bones.

ANSWER: Georgia **O’Keeffe** <Taylor/Ed. TH>

16. A 1917 event in Saint-Michel-de-Maurienne centering on one of these objects resulted in the death of approximately 700 French soldiers due to General Émile Fayolle’s unprecedented gun-waving. In 2015, a previously impeccable safety record was marred after a man self-immolated himself aboard one of these things, resulting in the deaths of himself and another passenger. British imperialist Cecil Rhodes sponsored a project to link (\*) Cape Town to Cairo by means of these things. The SS Baikal ferry was used to link the Eastern and Western portions of a “Trans-Siberian” network that these things traveled upon. For 10 points, what vehicles carried passengers from Omaha to San Francisco on the Transcontinental Railroad?

ANSWER: **trains** [Accept **locomotives**; accept **Shinkansen** or **bullet trains**; accept other legitimate types of trains; accept **rails** or **railroads** before mention] <Tracy/Ed. PT>

17. The derivative of total energy with respect to a parameter lambda equals the expectation value of the derivative of the Hamiltonian with respect to lambda by a theorem named for Hellman and this physicist. This physicist's namesake element would have atomic number 137, which he claimed, based on the Bohr model, would be the last physically possible element. Smoluchowski and this physicist explained why a machine that uses Brownian motion to do work is impossible. This physicist developed a theory where a factor of  $e$  to the  $i$   $S$  over  $h$  is contributed by every possible (\*) trajectory between two points. With Schwinger and Tomonaga, this developer of the path integral formulation won the Nobel Prize in Physics for his work on quantum electrodynamics. For 10 points, name this physicist who is best known for his namesake diagrams.

ANSWER: Richard Feynman <Leo/Ed. JS>

18. Dialogo and Capriccio movements make up Ligeti's solo sonata for this instrument. This instrument plays the melody in Max Bruch's *Kol Nidrei*. Luigi Boccherini composed a concerto in B-flat for this instrument, of which he was a virtuoso. Jacqueline (\*) du Pre popularized Elgar's concerto for this instrument in E minor. Mstislav Rostropovich and Pablo Casals both played this instrument which plays the melody in "The Swan" movement of *Carnival of the Animals*. The most famous solo pieces for this instrument are a set of six suites for it by J.S. Bach. For 10 points, name this string instrument played by Yo-yo Ma.

ANSWER: cello [accept violoncello if you are from the eighteenth century] <Taylor/Ed. TH>

19. Spearfinger, the enemy of Stone man, is one of these figures from Cherokee myth. In the "Peredur" story from the Mabinogion, nine of these figures from Gloucester kill several of Arthur's knights, and in a different Welsh tale Culhwch is tasked with retrieving the blood of the "black" one of these figures from the Highlands of Hell. In Slavic mythology, one of these figures flies around in a mortar and wields a pestle, and is called (\*) Baba Yaga. Hecate is a minor Greek goddess usually associated with this type of person. *A Guide to Grand-Jury Men* and *Malleus Maleficarum* are two treatises on dealing with this type of person. For 10 points, identify these female figures from legend who in popular culture have black cats and fly on broomsticks.

ANSWER: witch [accept hags; prompt on women] <Taylor/Ed. TH>

20. When a woman in this novel says she prefers fresh fruit over ragout (RA-GOO), Mr. Hurst decides to not talk to her. A clergyman and heir to Longbourn estate becomes engaged to the best friend of the narrator of this novel, who "accepted him solely from the pure and disinterested desire of an establishment." In this novel, the militia captain George (\*) Wickham has his immediate debts paid after agreeing to not disgrace Lydia. This novel opens with a mother attempting to get her girls to visit Netherfield Hall, the house of Mr. Bingley. For 10 points, name this novel by Jane Austen narrated by Elizabeth Bennet who initially hates the wealthy Mr. Darcy.

ANSWER: Pride and Prejudice <Peter/Ed. AS>

**Bonuses:**

1. A character in this story notes that there is “nothing so eternal as tomato soup.” For 10 points each:

[10] Name this short story in which Bertha Young experiences the title emotion, but later discovers that her husband is having an affair.

ANSWER: “**Bliss**”

[10] “Bliss” is a story by this author whose other short stories include “The Fly” and “The Garden Party.”

ANSWER: Katherine **Mansfield**

[10] After moving to the U.K., Mansfield became friends with this other female author. She described how Judith Shakespeare would need the title accommodation to write fiction in “A Room of One’s Own.”

ANSWER: Virginia **Woolf** <Alex/Ed. AS>

2. This man headed a state whose constitution was written at the Congress of Cúcuta and made up the nations in the Spanish Viceroyalty of New Granada. For 10 points each:

[10] Name this first president of Gran Colombia who, alongside Jose de San Martin, liberated much of South America.

ANSWER: Simon **Bolivar**

[10] Bolivar served as the first president of his namesake country, followed by this aide and close friend known as the “Grand Marshal of Ayacucho.” He was also the namesake of the currency of Ecuador before the 2000 Financial Crisis forced Ecuador to adopt the US dollar.

ANSWER: Antonio Jose de **Sucre**

[10] Sucre was assassinated in 1830 by peons of a rival officer and was buried in this Latin American city. Parts of this major city lie along the eastern slopes of a stratovolcano named Pichincha, and it is known as “The Light of America.”

ANSWER: **Quito**, Ecuador <Peter/Ed PT>

3. This biblical figure is sometimes called the first suicide bomber because of an incident when he pulled down the pillars of the temple of Dagon, killing not only himself but also thousands of others, for 10 points each:

[10] Name this biblical figure, who performed feats like ripping a lion in half and slaying Philistines with a donkey's jawbone. His legendary strength was ended when Delilah cut his long hair.

ANSWER: **Samson**

[10] The story of Samson’s life appear in this book of the bible, named for a series of rulers of Israel and Judah. Some scholars believe this book’s “Song of Deborah” to be the earliest written part of the bible.

ANSWER: The Book of **Judges**

[10] The Song of Deborah recounts how Jael slayed the enemy commander Sisera in this specific manner after feeding him and tucking him into bed.

ANSWER: driving a **tent peg** through his head [accept descriptive answers that mention a **tent peg** or similar implement] <Taylor/Ed. TH>

4. The three figures in this painting make a visual triangle, while a large statue of Cupid can be seen on this painting’s left. For 10 points each:

[10] Name this painting in which the central figure kicks off her shoe to reveal what is underneath her dress to a man lying on the ground with his arm outstretched towards her.

ANSWER: *The **Swing***

[10] Jean-Honoré Fragonard’s *The Swing* is generally considered to be the masterpiece of this 18th century French art movement. This movement embraced bright color and abandoned the Academy’s ideals about painting, including history painting being the most “difficult” style.

ANSWER: **Rococo**

[10] This other Rococo artist showed a boy playing guitar for a family in his *The Love Lesson*. He also showed the new practice of buying art from a shop in his earlier *Gersaint’s Shop Sign*, and he painted *Embarkation for Cythera*.

ANSWER: Jean-Antoine **Watteau** <Chandler/ Ed. TH>

5. These people fought a namesake war after John II failed to abide by the Magna Carta. For 10 points each:

[10] Name this class of landowners whose name comes from Latin for “man or servant” which is below viscount and above a knight.

ANSWER: **Baron**

[10] John II was the brother of this English King who participated in the Third Crusade, defeating Saladin’s forces at Acre.

ANSWER: **Richard** the **Lionheart** [or **Richard I**]

[10] John faced opposition by the Barons who were led by this feudal lord whose ancestor of the same name would take on the title of “Peerage of England.” This "Marshal of the Army of God and Holy Church" was one of the 25 signatories of the Magna Carta.

ANSWER: Robert **Fitzwalter** <Peter/Ed. PT>

6. In a film from this country, two former prison cellmates meet up many years after one of them has established a Nazi-like mega corporation that sells phonograph records. For 10 points each:

[10] Name this country home to the director of the aforementioned film, *Freedom for Us*, and a director known for pioneering the modern drama with films like *The Rules of the Game* and *The Grand Illusion*.

ANSWER: **France** (those directors are Jean Renoir and Rene Clair)

[10] This two word phrase names a French film movement developed in the early 1960s that emphasized innovative cinematic techniques and self-conscious writing. Directors associated with this movement include Jean-Luc Godard and François Truffaut.

ANSWER: French **New Wave** [or *Nouvelle Vague*]

[10] In one of the seminal films of the French New Wave, *Breathless*, Michel commits this crime during a jarring, now famous, five shot sequence.

ANSWER: **kill**ing a **police officer** [accept **shoot**ing a **police officer** or equivalents; prompt on **murder** or **manslaughter** by asking what type of person Marcel kills] <Taylor/Ed. TH>

7. The measurements for the anomalous magnetic moment of these particles are currently 3.5 standard deviations away from the value predicted by the Standard Model. For ten points each:

[10] Name these particles being studied in Fermilab’s g minus 2 experiment. The negative pion decays into one of these particles and its corresponding antineutrino.

ANSWER: **muons**

[10] Measurements of the anomalous magnetic moment of the electron helped verify QED, which describes interactions between charged particles and these particles of light.

ANSWER: **photons**

[10] Fermilab’s muon g minus 2 experiment will study the rate at which muons undergo this process. An axis traces out a cone in this process often demonstrated using a rotating bicycle wheel on a rope.

ANSWER: **precession** <Jonathen/Ed. JS>

8. The title residence of this novel is wrongfully taken from Matthew Maule by Colonel Pyncheon. For 10 points each:

[10] Name this novel in which Hepzibah Pyncheon opens a store to support her brother Clifford.

ANSWER: *The **House of the Seven Gables***

[10] The House of the Seven Gables was written by this author of *The Marble Faun* who wrote about Hester Prynne’s scandalous affair in *The Scarlet Letter*.

ANSWER: Nathaniel **Hawthorne**

[10] A missing deed in *The House of the Seven Gables* is eventually found behind one of these objects. In a different novel, Basil Hallward creates a notable example of one of these things.

ANSWER: **portraits** [or **paintings**; or **pictures**; accept equivalents; also accept *The **Picture of Dorian Gray***] <Alex/Ed. AS>

9. In February of 2018, the US House passed an amendment to this act, which proponents hoped would end so-called “drive-by lawsuits.” For 10 points:

[10] Name this act, originally passed in 1990, that prevents any discrimination based on disabilities. The proposed changes to this act would make it legal for business to not provide accessibility to disabled people until a specific complaint is filed.

ANSWER: Americans with Disabilities Act of 1990

[10] This Democratic junior senator from Illinois is a strong opponent of the changes to the ADA, and is herself the first disabled woman elected to congress. She defeated incumbent senator Mark Kirk in the 2016 election.

ANSWER: Tammy Duckworth

[10] Representative Jackie Speier of this state is in favor of the ADA changes, citing wishes to end exploitative civil lawsuits. Other congresswomen from this state include Kamala Harris, Dianne Feinstein, and Nancy Pelosi.

ANSWER: California <Taylor/Ed. TH>

10. For 10 points each, answer the following about philosophers who wrote about color:

[10] In this work, David Hume presents a thought experiment detailing how the mind can fill in a “missing shade of blue.” This work also uses the example of billiard balls to illustrate causation.

ANSWER: An Enquiry Concerning Human Understanding

[10] This philosopher used “bleen” and “grue” as illustrations of his “new riddle of induction” in his work *Fact, Fiction, and Forecast*.

ANSWER: Nelson Goodman

[10] This author of *A Letter Concerning Toleration* described how colors are secondary qualities in his *An Essay Concerning Human Understanding*. He also wrote that the mind at birth is a blank slate, or *tabula rasa*.

ANSWER: John Locke <Alex/Ed. AS>

11. Over 400 stone caves dedicated to this figure have been found, and they often feature carvings of a mysterious lion-headed being and this figure slaying a bull in the Tauroctony. For 10 points each:

[10] Name this cult figure popular with Roman men. Though the liturgy for the worship of this figure is lost, he may be a transplant from a Persian deity, and he is usually depicted dining with the Sun.

ANSWER: The Cult of Mithras [accept Mithraism]

[10] Scholar Justin Martyr claims that the Cult of Mithras may have been a parody of this other religion of the early Roman Empire. This religion's followers were persecuted by Diocletian, but it was made the official religion of Rome under Constantine.

ANSWER: Christianity

[10] The initiation ritual into the cult of Mithras involved being given a sword topped with one of these objects, which the initiate must reject. The later cult of Sol Invictus was associated with one of these objects called the *corona radiata*.

ANSWER: crowns [prompt on headgear or hats] <Taylor/Ed. PT>

12. Answer some questions about making beer, for 10 points each:

[10] The ethanol in beer is made through this process, in which yeasts convert a sugar into ethanol and two carbon dioxide molecules, which makes your beer bubbly. Lactic acid is formed by a different kind of this anaerobic process.

ANSWER: ethanol fermentation [or alcoholic fermentation; accept lactic acid fermentation]

[10] In fermentation, glycolysis produces two molecules of pyruvate, which are then decarboxylated into this two-carbon molecule, the precursor to ethanol. This molecule is oxidized into acetic acid in the liver.

ANSWER: acetaldehyde [accept ethanal]

[10] This genus of yeast is used for the fermentation of most beers. This genus includes species like *pastorianus* and *cerevisiae* which are used in brewing and breadmaking, respectively.

ANSWER: Saccharomyces <Taylor/Ed. JS>

13. In *Guns, Germs and Steel*, Jared Diamond suggests that this practice originated between the development of agriculture and centralized government. For 10 points each:

[10] Name this concept, which another thinker described as forming the basis of societies exhibiting organic solidarity.

ANSWER: **division of labor**

[10] Organic and mechanical solidarity are discussed in this sociologist's *The Division of Labour in Society*. He also wrote about four different types of the title phenomena in *Suicide*.

ANSWER: David Émile **Durkheim**

[10] An early description of division of labor appears in a book by Bernard Mandeville named for these animals. Francis Bacon described natural philosophy as a synthesis of empiricism and dogma using these animals.

ANSWER: **bees** <Yonathan/Ed. AS>

14. After a character in this film thinks he's met the central character before, she tells him that he is confusing her for a James Joyce character with the same first and last name. For 10 points each:

[10] Name this 2017 film in which the title woman, played by Jessica Chastain, is exonerated from charges of running gambling rings in New York and Los Angeles. Michael Cera plays Player X in this film, though in real life that man may have been Tobey Maguire.

ANSWER: ***Molly's Game***

[10] *Molly's Game* was the directorial debut of this man, who known for writing *Charlie Wilson's War* and *The Social Network*. His dialogue-heavy scripts often use the "walk and talk" style popularized in his show *The West Wing*.

ANSWER: Aaron **Sorkin**

[10] *Molly's Game* focuses on high stakes players of this game. The film *High Roller* also focus on this game, whose varieties include Five Card Stud and Texas Hold'em.

ANSWER: **poker** <Taylor/Ed. TH>

15. This nation's early verse was divided into love songs called *ci* ('tzih') and more formalized reflective poems called *shi* ('shih'). For 10 points each:

[10] Name this country whose 3rd century anonymous poems were collected in the *Shijing*, one of its Five Classics.

ANSWER: **China**

[10] This Tang poet wrote the lines "We sit together, the mountain and me, until only the mountain remains". Along with his contemporaries Wang Wei and Du Fu, his work was collected in the *Quan Tangshi*.

ANSWER: **Li** Po [or **Li** Bai]

[10] In one poem, Li Po mused that since life is one of these, one should not toil to no avail. The philosopher-poet Zhuangzi famously mused about the reality one of these things involving a butterfly.

ANSWER: a **dream** [accept reasonable equivalents indicating the world is an **illusion** or **fantasy**] <Taylor/Ed. AS>

16. This compound is responsible for the familiar smell of gasoline. For 10 points each:

[10] Name this cyclic six carbon compound that is drawn with alternating pi bonds despite existing in a resonance hybrid between structures. Delocalization of electrons is represented by a circle in this compound's Lewis structure.

ANSWER: **benzene** [accept **C<sub>6</sub>H<sub>6</sub>**]

[10] Benzene possesses this property because it is a flat ring that contains resonance bonds. Hückel's rule can be used to determine whether a flat ring has this property that is contrasted with aliphaticity.

ANSWER: **aromaticity** [accept word forms like **aromatic**]

[10] Benzene can be converted to cyclohexane via this reaction that turns unsaturated compounds into saturated ones. Wilkinson's catalyst is often used when performing this reaction on alkenes.

ANSWER: **hydrogenation** [prompt on **reduction**] <Leo/Ed. JS>



17. For 10 points each, answer these questions about all or mostly minority regiments throughout American history:  
[10] One of the first official African-American units in history was this state's 54th Infantry, which led a failed attempt to take Fort Wagner under Robert Gould Shaw.

ANSWER: Commonwealth of **Massachusetts**

[10] During World War I, this unit received the coveted French Croix de Guerre. This unit was the first American unit to cross into Germany over the Rhine river.

ANSWER: The **Harlem Hellfighters** [accept the **369th Infantry** regiment; accept the **15th New York** National Guard Regiment; accept **Men of Bronze** or **Hommes de Bronze**, their French nickname]

[10] The most decorated American Military unit is the 442nd Infantry of World War II, which was made up of soldiers of this ethnicity whose family members were interned in camps like Manzanar.

ANSWER: **Japanese** Americans [prompt on **Asian** Americans] <Zach/Ed. PT>

18. Answer the following about the use of the flute in classical music, for 10 points each:

[10] A chromatic run from C sharp to G and back on flute opens this French composer's *Prelude to the Afternoon of a Faun*.

ANSWER: Claude **Debussy**

[10] A platinum flute with the title characteristic is called for by this composer's *Density 21.5*. This pioneering electronic composer also wrote the pieces *Poeme electronique* and *Ionisation*.

ANSWER: Edgar **Varese**

[10] This composer's *Flute Sonata* for piano and flute is his Opus 94. This Russian is known for such works as the opera *A Love for Three Oranges* and the *Lieutenant Kije Suite*.

ANSWER: Sergei **Prokofiev** <Alex/Ed. TH>

19. Name some things that may be studied by a micropaleontologist, for 10 points each:

[10] In general, micropaleontologists study micro-scale examples of these objects, which are the preserved remains of once living organisms. The totality of these objects used for dating recently discovered examples is known as its "record".

ANSWER: **fossils**

[10] Calcareous microfossil record includes many examples of the shells of the Foraminifera phylum of this kingdom of microorganisms. This kingdom is made up of eukaryotic single celled or multicellular organisms that do not form tissues.

ANSWER: **Protists** [or **Protista**; accept **Protoctista**]

[10] Microfossils of diatoms and radiolarians are often found in rocks made up of these minerals whose structural unit is the SiO<sub>4</sub> tetrahedron. About 92% by volume of the rocks in the Earth's crust are made of these minerals.

ANSWER: **silicates** <Taylor/Ed. JS>

20. One character in this play relates how he awkwardly screamed "YES, A BITE FOR MY PUSSYCAT" while telling a story of how he attempted to kill his landlady's dog. For 10 points each:

[10] Name this short play which features a conversation Jerry and Peter have while sitting on a bench. At its end, Jerry forces Peter to take a knife from him, before he impales himself upon it.

ANSWER: *The Zoo Story*

[10] In addition to writing *Zoo Story* and its prequel *Homelife*, this playwright described the interaction of two beachgoing couples, one human and one reptilian, in *Seascape*.

ANSWER: Edward **Albee** [Accept Edward Franklin **Albee** III]

[10] In this best known Albee play, Nick and Honey play games like "Bringing Up Baby" with George and Martha at a late night party.

ANSWER: *Who's Afraid of Virginia Woolf?* <Tracy/Ed. AS>