

## 2016 “stanford housewrite”

Edited by Stephen Liu

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### PACKET 12

#### TOSSUPS

1. **When another character uses the word “institute” to discuss Napoleon’s reforms during a period of calm, this character corrects him with the word “introduce.” This character once hid a copy of *The Origin of the Species* in his library’s Theology section because “nobody ever goes in there.” This character recalls an embarrassing episode in which he barged in on Cynthia having sex and learned “about a lot more than knocking on doors.” He imagines cripples competing for a urine-filled chamber pot to mock his one-legged (\*) father after learning that his father has been released from the hospital. This character suggests that a “damn good title for a book” would be the phrase “man of magnitude,” and is inspired by a view of history as a series of “bumpings” to write the essay “A World Without Collisions.” He reminisces with Sam about flying kites in a play that opens with Willie practicing ballroom dancing in this character’s family store. For 10 points, name this title character of a play by Athol Fugard.**  
ANSWER: **Hally** [or Master **Harold**]
2. **A marshal of this region was told, “Drink thy blood, Beaumanoir; thy thirst will pass!” during a fight at the Halfway Oak where Robert Bemborough was killed. That Combat of the Thirty was fought in a war over this region, where the Marquis de Pontcallec organized an anti-tax conspiracy against regent Philippe d’Orleans. The *papier timbre* tax sparked a revolt in this region in 1675 in which protesters wore red Phrygian caps. This site of the Revolt of the Bonnets Rouges was also the site of the Battle of Auray, the decisive battle in a war of (\*) succession over this region that was won by John de Montfort over Charles of Blois. This region was united with France through the marriage of Charles VIII with Anne, a daughter of this region’s last independent duke, Francis II. The historical capital of this region names a document that granted rights to Huguenots before it was repealed by the Edict of Fontainebleau. For 10 points, name this French region to the west of Normandy that contains Nantes.**  
ANSWER: **Brittany**
3. **Ceder et al. recently used scanning tunneling electron microscopy to directly observe the cooperative version of this phenomenon in a sodium/manganese/O<sub>2</sub> superstructure. The second-order variant of this phenomenon occurs to allow for a configuration interaction between a molecule’s HOMO and LUMO and can be invoked to explain the stereoactive lone pair in xenon hexafluoride. A shoulder in the UV-Vis absorption band of aqueous titanium(III) is attributed to this phenomenon, which often occurs in a weaker (\*) dynamic form at room temperature in complexes with T-sub-1g and T-sub-2g ground states. This phenomenon is weak in tetrahedral complexes, since none of the ligands directly overlap with any d-orbitals. The most common manifestation of this phenomenon is in the tetragonal elongation of six-coordinate transition metal complexes with four, seven, or nine d-electrons. For 10 points, name this effect in which a molecule distorts to relieve an orbital degeneracy.**  
ANSWER: **Jahn-Teller** effect [or **Jahn-Teller** distortion]
4. **This process’ size distribution is commonly measured using a device designed by Roberts and Nenes. Chuang et al. identified an inertial mechanism that is the only kinetic limitation on this process to satisfy conservation of particle number. Berry and Reinhardt developed the stochastic collision model of this process, in which the magnitude of the collection kernel indicates the relative importance of turbulence. This process is described by a combination of the (\*) Kelvin equation and Raoult’s law, according to Köhler theory. The products of this process may subsequently undergo the Bergeron-Findeison process in the presence of supercooled ice crystals. For 10 points, identify this process that typically occurs via the activation of its namesake condensation nuclei and produces large masses of supersaturated atmospheric water vapor.**  
ANSWER: **cloud** droplet **formation**

5. This man decried the “Three False Gods” of nationalism, racialism, and communism in a work that called the Second World War “a cleansing process for all mankind.” *The Priceless Pearl* is a biography of this man written by his wife Mary Maxwell. This man referred to Americans as “the spiritual descendants of the Dawn-Breakers” in *The Advent of Divine Justice*, one of over 20,000 letters he is known to have written to his followers. This man oversaw the creation of the International Archives, and he reviewed the first hundred years of his religion’s history in (\*) *God Passes By*. This man died of Asian flu in 1957 without having designated a successor, prompting the election of nine Custodians from among the Hands of the Cause. This man led the Ten Year Crusade that culminated in the establishment of the Universal House of Justice. For 10 points, name this Guardian of the Baha’i faith, a grandson of Abdul-Baha who held the title “Effendi.”

ANSWER: Shoghi Effendi Rabbani

6. In a work by this artist, a lady with a parasol sits on a stone ledge that wraps around an inlet of water, where several ships are docked. Another of this painter’s works shows a seated red-haired girl facing right, where a green parrot is perched on a stand. This artist made heavy use of pastel pink, blue, and white brushstrokes in a work in which a glass vase and flowers sit on a small table and are also reflected in the mirror at right. This painter of *The Harbor at Lorient* showed ducks swimming past two women out on a boat ride on a pond in the painting *Summer’s Day*. This artist sits behind a green railing next to (\*) Fanny Claus and Antoine Guillemet in another painter’s *The Balcony*. This artist of *Woman at Her Toilette* showed a curtain forming a tent around the title object in her most famous work, in which a mother watches on as her child sleeps peacefully. For 10 points, name this woman who painted *The Cradle*, a French Impressionist and sister-in-law of Édouard Manet.

ANSWER: Berthe Morisot

7. In one of this composer’s concertos, the soloist’s lengthy cadenza leads directly into its final *Allegro* section in six-eight time, which opens with two A-trumpets introducing the main hunt-like theme. That concerto, played without any pauses, has its slow-movement-like *Andante sostenuto* section placed between the exposition and development of its *Moderato* first section. This composer wrote another of his Concertos at the insistence of Sigurd Raschèr. That work, one of this composer’s final opus numbers, was his Concerto in E-flat Major for alto saxophone. This composer’s A Major violin concerto was both dedicated to and premiered by (\*) Leopold Auer. Among this composer’s orchestrations is an arrangement of another composer’s Waltz in C-sharp minor, which he added to his suite *Chopiniana* to form the music for Michel Fokine’s ballet *Les Sylphides*. For 10 points, name this Russian composer who also wrote the ballets *Raymonda* and *The Seasons*.

ANSWER: Alexander Konstantinovich Glazunov

8. David Chalmers argued against traditional interpretations of this position, claiming that we needed a “new law of nature” while defining a “naturalistic” formulation of this position. One philosopher would ultimately come to reject a form of this position he originally defended in the paper “Epiphenomenal Qualia,” in which he proposed the knowledge argument in support of this position. Modern philosophers of this position generally adhere to the “predicate” or (\*) “property” form of this position, which faces the problem of “causal interaction.” A proponent of this position was accused of making a “category mistake” and was critiqued using the “ghost in the machine” metaphor in Gilbert Ryle’s *Concept of Mind*. A proponent of this position used the example of a piece of wax in his “clear and distinct” argument. For 10 points, name this philosophical position often associated with Rene Descartes, which holds that the mind and body are two separate things.

ANSWER: dualism [accept more specific answers, like Cartesian dualism, substance dualism, etc.]

9. A speech given in this novel repeatedly references Moses shouting, “Let my people go!” and the speaker later concludes the speech was too literary for his audience. That man fails to kill this novel’s villain after throwing a pipe bomb obtained from the saloon-keeper Caraher through a window. One chapter of this work cuts back and forth between a lavish dinner party thrown by the Gerards and scenes of Mrs. Hooven starving to death on the streets. The first half of this novel ends with a duel between Delaney and (\*) Annixter, who hosts a dance in his barn in the hopes of wooing Hilma Tree. An epic poem called the “Song of the West” is abandoned in favor of a socialistic poem called “The Toilers” by Presley, arguably this work’s protagonist. Much of this novel is set on the Quien Sabe and Los Muertos ranches, where Magnus Derrick leads a league of ranchers against the title entity. For 10 points, name this first novel in the planned *Epic of the Wheat* trilogy, a work by Frank Norris about railroads.

ANSWER: *The Octopus: A Story of California*

10. **One of these structures appears in the background while a character tells his girlfriend that he “luffs” her, because “love” is too weak a word. A famous shot that includes one of these structures is accompanied by the song “Someone to Watch Over Me” on the soundtrack, and depicts two characters who ran into each other at a fundraiser at the MOMA in the bottom-right corner. Mary Wilkie and Isaac Davis sit talking on a (\*) bench beneath one of these structures in an iconic shot from Woody Allen’s *Manhattan*. The title characters participate in a battle for one of these structures before going to the Sad Hill Cemetery in *The Good, the Bad, and the Ugly*. Major Clipton exclaims “Madness! Madness!” after a character destroys one of these by collapsing on an explosive plunger. A group of prisoners who whistle the “Colonel Bogey March” are forced to build one of these structures by Colonel Saito in a 1957 David Lean film. For 10 points, name this kind of structure that is built *on the River Kwai*.**  
ANSWER: bridges

11. **A study of this product and its less technologically advanced relatives by Thomas Wire concludes that it is the most environmentally friendly product in the world. This product is the subject of an econometric analysis by Claudia Goldin and Lawrence Katz that shows positive correlation between its availability and the college graduation rate. Major contributors to the development of this product included M. C. Chang, Gregory Pincus, and John Rock, the latter of whom argued in *The Time Has Come* that its use is equivalent to the (\*) rhythm method. A book by Barbara Seaman titled *The Doctors’ Case Against [this product]* inspired Gaylord Nelson to hold Senate hearings on its safety, during which Alice Wolfson protested the lack of female testimony concerning this product’s efficacy and side effects. For 10 points, name this product that enabled the Sexual Revolution by giving women the ability to regulate their fertility levels.**  
ANSWER: the Pill [or birth control pill; or combined oral contraceptive pill; or COCP; prompt on “birth control” or “contraceptives”]

12. **In a ceremony following this battle, Sir Thomas Dymoke threw down his gauntlet to challenge any disputers of the king’s claim to the throne. Because of its date, this engagement is sometimes called the Battle of Palm Sunday Field. This battle was preceded by a skirmish at the Aire River, where Lord Fitzwalter was killed by Lord Clifford’s archers after rushing out of his tent without armor, thinking his men were quarreling. This followup to the Battle of Ferrybridge occurred along the Cock Beck, a tributary of the Wharfe River. William Hastings was knighted on the field of this battle, where Lord (\*) Fauconberg took advantage of a strong wind to trick the enemy side into wasting its arrows. The late arrival of the Duke of Norfolk helped decide this battle, which forced Margaret of Anjou to flee England and is sometimes considered the bloodiest ever fought on English soil. For 10 points, name this decisive 1461 battle during the Wars of the Roses that allowed Edward IV to depose Henry VI.**  
ANSWER: Battle of Towton [accept Battle of Palm Sunday Field early]

13. **This poem describes an action that is “sweeter than the flesh of hard apples is to children,” before its speaker recalls spending time “infused with stars and lactescent, devouring the azure verses.” “Unbelievable Floridas mingling with flowers panthers’ eyes and human skin” and an “enormous swamp” where a “whole Leviathan rots in the rushes” are among the sights this work’s speaker sees during “pregnant months.” This poem’s title figure declares, “I have wept too much!” before describing a “squatting child full of sadness” who releases an object “as fragile as a (\*) May butterfly.” In this poem’s final stanza, the title figure claims to no longer be able to “cross through the pride of flags and flames, nor swim under the terrible eyes of prison ships.” This poem describes “yelping redskins” and is narrated from the perspective of an object who “no longer felt [it]self guided by haulers” as it went “down impassive Rivers.” For 10 points, name this poem about a vessel by Arthur Rimbaud.**  
ANSWER: “The Drunken Boat” [or “Le bateau ivre”]

14. **Historical leaders of this tribe include Caesar Bruner and Dosar Barkus, the namesakes of two of its fourteen *itálwa*. Dembo Factor served as an advisor to a leader of this tribe nicknamed “Gopher John” who became an officer in the Mexican Army after joining with Wild Cat to organize an exodus from Wewoka. Only Ransome Clarke and Joseph Sprague survived an ambush by this tribe on a U.S. Army column commanded by Francis Dade. This tribe conducted a guerrilla campaign led by (\*) Billy Bowlegs, the nephew of Micanopy. Frederick Weedon preserved the head of a chief of this tribe who Thomas Jesup captured under a flag of truce. The executions of Alexander Arbuthnot and Robert Ambrister took place during a war between the United States and this tribe that included the destruction of the Negro Fort. For 10 points, name this tribe which was led by Osceola and was forced by the Treaty of Payne’s Landing to give up their native land in Florida.**  
ANSWER: Seminoles [accept Black Seminoles before “Joseph Sprague” is read]

15. **An author from this family wrote about a boarding school run by Miss Teachum, who instructs her students on the morals found in the stories read to them by Jenny Peace. That author from this family wrote the first full-length English-language children’s novel, *The Governess*, as well as an early sentimental novel called *The Adventures of David Simple*. Another author from this family created a character who is kidnapped by gypsies as a child but is later recognized by his long-lost father, Mr. Wilson, due to the strawberry-shaped birthmark on his (\*) chest. Fanny Goodwill appears in a novel by an author from this family about a footman who spurns the advances of Lady Booby. That man wrote about a character who is allowed by Squire Allworthy to marry Sophia Western, even though he is a foundling. For 10 points, name this English family whose members included Sarah and her brother Henry, who wrote *Joseph Andrews* and *Tom Jones*.**  
ANSWER: **Fielding** [accept Henry **Fielding** or Sarah **Fielding**]
16. **Amédée Baillot de Guerville engaged in a journalistic dispute about an event that occurred in this city. The first use of radio jamming in military history was at a battle for this city whose winning commander wrote the poem “Your Souls’ Mountain” about his assault on 203 Meter Hill. An attack on this city started while its commander was throwing a birthday party for his wife on his flagship, leading him to assume that the cannon fire was in his wife’s honor. The British spy Sidney Reilly allegedly stole defense plans to a military base in this city commanded by Oskar (\*) Stark. This city changed hands in the Triple Intervention and became part of the Guāndōng Leased Territory along with Dàlián. This southern terminus of the South Manchuria Railway suffered a surprise attack by the fleet of Togo Heihachiro, to open a conflict that also included the Battle of Mukden. For 10 points, name this coastal city on the Liáodōng Peninsula that was besieged during the Russo-Japanese War.**  
ANSWER: **Port Arthur** [or **Lǔshùnkǒu**; or **Yàsè Gǎng**; or **Rvojun**; accept **Dàlián** before mentioned]
17. ***Tigrina* mutants are characterized by buildup of a toxic precursor to this molecule. A pathway for the synthesis of this molecule unusually requires glutamic acid ligated to tRNA as a precursor. The C5 pathway, also known as the Beale pathway, comprises a major step in the synthesis of this molecule. LPOR and DPOR are two reductases that are used in the synthesis of this molecule. The breakdown of this molecule causes an increase in pheophytin *a*, which is then converted into tetrapyrrole catabolites called (\*) NNCs. This molecule is not heme, but glycine and succinyl-CoA is converted to a precursor of this molecule by 5-ALA synthase. This molecule comes in “special pairs” called P680 and P700. It contains a long 20-carbon phytol chain and a porphyrin coordinated with a central magnesium ion, and is located in the thylakoid membrane. For 10 points, name this green pigment that is used for photosynthesis.**  
ANSWER: **chlorophyll**
18. **The temple to Apollo Lykoktonos was built after this group entered one city, the result of a wolf coming down from the hills and killing a bull by the city walls. While hunting deer, one of these figures woke an angry satyr but was saved when Poseidon threw his trident and missed, creating a triple spring that ended a drought. The leader of this group, though not a member, replaced Gelanor as king, and Herodotus states that they brought the Thesmophoria to Greece. Their grandfather was born after Poseidon raped a daughter of Epaphus, thus fathering (\*) Agenor and Belus. The sailor Nauplius was the son of a member of this group named Amymone. The enemies of Aegyptus, these women were condemned to carry water in porous jars for all eternity. Hypermnestra was the only one in this group who did not stab her enemy with a pin hidden in her hair, instead helping Lynceus escape. For 10 points, name these fifty daughters of an Argive king who murdered their husbands on their wedding night.**  
ANSWER: **Danaids**
19. **One type of this device exploits a superfluid analog of the Josephson effect called “quantum whistling.” Transient temperature gradients in another type of this device generate nonreciprocal phase shifts in the Shupe effect. That type of this device contains a quadrupolar wound coil of optical fiber that acts as a Sagnac interferometer. Sources of error in the dynamically tuned type of this device include pseudoconing and (\*) anisoelectricity. Four of these devices made from fused quartz coated with niobium were used in the Gravity Probe B experiment to measure the geodetic and Lense-Thirring effects. These devices are employed in conjunction with accelerometers to measure motion in all six degrees of freedom. For 10 points, name these devices that exhibit torque-induced precession, as shown by a top.**  
ANSWER: **gyroscopes** [anti-prompt on “optical fiber” and “interferometer” or “Sagnac interferometer” early]

20. Portions of this river are navigated by traditional *makoro* canoes. This river surrounds the luxury tourism destination Chief's Island. Ethnic groups found on the shores of this river include the Bugakwe and the Hambukushu. Natives of the country it originates in refer to this river as the Cubango. A system formed by this river supports a large annual migration of lechwe antelope and the world's largest population of elephants. This river, which feeds Lake Ngami, once flowed into the now-dry (\*) Lake Makgadikgadi. Popular ecotourism destinations in a system fed by this river include the Moremi Game Reserve. This river originates in Angola before flowing east and forming part of Namibia's northern border. Water discharged from this river creates a system of wetlands in the middle of the Kalahari desert. For 10 points, name this river that forms a namesake delta in Botswana. ANSWER: Okavango river [or the Okavango delta; accept the Cubango river before mentioned]

## BONUSES

1. This country's rulers frequently imprisoned rivals to the throne at mountains like Amba Geshen. For 10 points each:  
[10] Name this country that underwent a period of anarchy called the Era of the Princes during the latter years of the Solomonic dynasty, which claimed to be a continuation of the Kingdom of Axum.  
ANSWER: **Ethiopia**  
[10] This text traces the origins of the Solomonic dynasty all the way back to Solomon and the Queen of Sheba, whose son Menelik I supposedly brought the Ark of the Covenant to Ethiopia in the 10th century BCE.  
ANSWER: **Kebra Negast** [or *The Glory of the Kings*]  
[10] The emperor Fasilides established this city as the capital of the Solomonic dynasty. It remained the capital until the end of the Era of the Princes and the accession to the throne of Tewodros II.  
ANSWER: **Gondar**
2. Answer the following about beer in Germany, for 10 points each:  
[10] Over six million people visit Munich during this 16-day beer festival, hosted every fall.  
ANSWER: **Oktoberfest**  
[10] This German city produces alsterwasser, a mixture of juice and alcohol that tastes a lot like Mike's Hard Lemonade. This city's St. Pauli district is home to Europe's largest red light district, the Reeperbahn.  
ANSWER: **Hamburg**  
[10] Many upscale bars can be found in this trendy Berlin neighborhood, which has the city's largest Turkish population. This district is also the center of Berlin's LGBT community.  
ANSWER: **Kreuzberg**
3. This figure is examined in a book in which the author claims that he is terrifyingly normal and seems more like a "buffoon" than a demon. For 10 points each:  
[10] Name this man that inspired a philosopher to remark that he was no Iago or Macbeth while discussing the "banality of evil."  
ANSWER: Adolf **Eichmann**  
[10] *Eichmann in Jerusalem* was written by this 20th century philosopher who analyzed how Nazism and Stalinism gained power in *The Origins of Totalitarianism*.  
ANSWER: Hannah **Arendt**  
[10] In *The Human Condition*, Arendt equates this concept with "freedom" and states that it is an end in itself. Along with labor and work, this concept is part of Arendt's tripartite theory of the *vita activa*.  
ANSWER: **action**
4. These animals were hunted by men like Jedediah Smith and Jim Bridger. For 10 points each:  
[10] Name these animals almost hunted to extinction by trappers at the height of the 19th century North American fur trade.  
ANSWER: North American **beavers**  
[10] Early American fur trading in the Pacific Northwest centered on this fort on the Columbia River. It was originally named for the owner of the Pacific Fur Company and later renamed Fort George by the British.  
ANSWER: Fort **Astoria** [do not accept or prompt on "John Jacob Astor"]  
[10] Mountain men involved in the American fur trade attended these yearly gatherings, where they drank excessively and told each other exaggerated stories.  
ANSWER: **rendezvous**
5. In one chapter of this collection, the author reprints and analyzes letters sent to him by Germans in response to his first book. For 10 points each:  
[10] Name this essay collection that includes "Letters from Germans" and "The Memory of the Offence." Its best-known chapter coined the term "Grey Zone."  
ANSWER: *The **Drowned and the Saved*** [or *I **sommersi e i salvati***]  
[10] *The Drowned and the Saved* was written by this Italian Holocaust survivor, the author of *If This Is a Man*. He compared his experiences to chemical elements in his book *The Periodic Table*.  
ANSWER: Primo **Levi** [or Primo Michele **Levi**]  
[10] This other Holocaust survivor, a Nobel Peace Prize winner, described his time at Auschwitz in *Night*.  
ANSWER: Elie **Wiesel** [or Eliezer **Wiesel**]

6. A decisive 1712 battle that took place during the Toggenburg War in this town resulted in victory for the Protestant cantons of Bern and Zürich, and the end of Catholic hegemony. For 10 points each:  
[10] Name this Swiss town that was also names a 1656 war between Protestants and Catholics. That war was not as decisive and ended with the Third Landfrieden restoring the status quo.  
ANSWER: **Villmergen**  
[10] Earlier, the independence of the Old Swiss Confederacy from the Holy Roman Empire had been recognized via this set of treaties, which ended the Thirty Years' War.  
ANSWER: Peace of **Westphalia**  
[10] Even earlier, the Swiss had waded into the War of the League of Cambrai. At this battle, they were crushed by Francis I just outside of Milan, which they had captured for Maximilian Sforza at the Battle of Novara.  
ANSWER: Battle of **Marignano**
7. The primary compiler for this language is maintained by Simon Peyton-Jones and was originally developed at Glasgow University. For 10 points each:  
[10] Name this strongly-typed purely-functional programming language with lazy evaluation, which features algebraic data types, list comprehensions, and pattern matching. Hackage is the package repository for this language.  
ANSWER: **Haskell**  
[10] One well-known but confusing Haskell feature is this typeclass, named for a category-theoretic object which consists of an endofunctor and two natural transformations. In Haskell these objects define "return" and "bind" functions and are used to sequence actions like IO.  
ANSWER: **monads**  
[10] Haskell implementations of this kind of program, such as the attoparsec library, use a monad instance to chain subcomponents together and organize information flow from the input text to the structured output. This operation is the first step in compilation and is often performed using regular expressions.  
ANSWER: **parsing** [accept **parser**]
8. This piece titles an album that features Monica Zetterlund singing the vocals in Swedish, along with Scott LeFaro on bass and Paul Motian on drums. For 10 points each:  
[10] Name this jazz standard, the best known composition of Bill Evans. The title character is believed to be Evans's niece.  
ANSWER: "**Waltz for Debby**"  
[10] Another jazz waltz, "Kathy's Waltz," is one of the tracks on *Time Out*, an album by this jazz pianist known for "Blue Rondo a la Turk" and "Take Five."  
ANSWER: Dave **Brubeck**  
[10] This drummer from the Dave Brubeck Quartet used unusual time signatures to bring the quartet to new heights. He has an extended solo in "Take Five."  
ANSWER: Joe **Morello**
9. In a dilute solution, the value of this quantity for a particular ionic species equals the exponential of the product of a temperature-dependent constant, the charge number of the species, and the ionic strength. For 10 points each:  
[10] Name these quantities that are multiplied by the mole fractions in the expressions for the chemical potentials of solutes in non-ideal solutions.  
ANSWER: **activity coefficients** [do not accept "activity"]  
[10] This model enables the calculation of activity coefficients via differentiation of the excess Gibbs free energy.  
ANSWER: **Margules** model  
[10] Gibbs free energy equals this quantity minus the product of temperature and entropy. The change in this quantity for a reaction is symbolized delta H, and equals the change in internal energy plus the work done by the system.  
ANSWER: **enthalpy**

10. The Mott variety of these materials is exemplified by nickel oxide. For 10 points each:  
 [10] Name these materials whose topological variety have conducting states on the surface but not in the bulk. These materials have very large band gaps and therefore do not conduct electricity well.  
 ANSWER: **insulators**  
 [10] “Mottism” refers to all the characteristic properties of a Mott insulator aside from this one. Materials with this property are prone to geometrical frustration because their lattice structures may have multiple minimum-energy arrangements of spins.  
 ANSWER: **antiferromagnetism** [accept word forms; do not accept “ferromagnetism”]  
 [10] This model uses a Hamiltonian containing “hopping” and on-site repulsion terms to explain the transition from a metal to a Mott insulator. The t-J model is a special case of this model for high-temperature superconductors.  
 ANSWER: **Hubbard** model
11. On his deathbed, this character tells Eugenius that his head is so misshapen that even if, upon his recovery, miters were to rain down from the heavens, not one would fit. For 10 points each:  
 [10] Name this character who travels with the young Le Fleur. He narrowly escapes imprisonment in the Bastille after the Count de B— mistakes him for the king’s jester.  
 ANSWER: Parson **Yorick** [accept Reverend **Yorick**]  
 [10] Parson Yorick narrates this travel novel that features a Tobias Smollett stand-in named Smellfungus and ends with the line, “So that when I stretch’d out my hand I caught hold of the *fille de chambre*’s—”  
 ANSWER: A ***Sentimental Journey Through France and Italy***  
 [10] A *Sentimental Journey* is a novel by this author who created the characters of Dr. Slop, Uncle Toby, and Corporal Trim in his novel *Tristram Shandy*.  
 ANSWER: Laurence **Sterne**
12. This piece is subtitled “Fatto per la notte di Natale.” For 10 points each:  
 [10] Name this work, commissioned by Pietro Ottoboni, that was published posthumously in a set with eleven other compositions of the same type. Its final movement is a 12/8 pastorale ad libitum.  
 ANSWER: ***Christmas Concerto*** [or (DO NOT READ OUT LOUD) Arcangelo **Corelli**’s ***Concerto grosso in G minor***, Op. 6, No. **8**; accept answers that include **Corelli**, **Concerto Grosso**, and either **G minor** or **8**]  
 [10] This Italian Baroque composer wrote the *Christmas Concerto*. He is known for popularizing the concerto grosso with his Opus 6 set of them.  
 ANSWER: Arcangelo **Corelli**  
 [10] Corelli used this instrumentation for the concertino, consisting of three soloists, in all of his published concerto grossi. This combination of instruments was commonly used in trio sonatas.  
 ANSWER: **two violins** and a **cello**
13. The speaker of a poem addressed to this person begs, “Return, return, sweet Sol from Capricorn,” and later states, “I wish my Sun may never set, but burn within the Cancer of my glowing breast.” For 10 points each:  
 [10] Name this addressee of a poem that asks, “how stayest thou there, wilt I at Ipswich lie?” because this person is “absent upon public employment.” In another poem, this person is told, “If ever two were one, then surely we.”  
 ANSWER: Simon **Bradstreet** [accept Anne **Bradstreet**’s **husband**; prompt on my dear and loving **husband**]  
 [10] Anne Bradstreet gained fame after the publication of a poetry collection that describes her as the “Tenth Muse, lately sprung up in” this place. Phyllis Wheatley wrote about “being brought from Africa” to here.  
 ANSWER: **America**  
 [10] This other poet wrote about how “my lost candle like the firefly loves,” in “Homage to Mistress Bradstreet.” He wrote, “Huffy Henry hid the day, unappeasable Henry Sulked” to open his *Dream Songs*.  
 ANSWER: John **Berryman** [or John Allyn **Smith, Jr.**]



14. This book contains lists like “Annoying Things” and “Things Which Distract in Moments of Boredom.” For 10 points each:  
 [10] Name this diary of court life during Heian Japan written by Sei Shonagon.  
 ANSWER: *The Pillow Book* [or *Makura no Soshi*]  
 [10] Another female Heian courtier, Murasaki Shikibu, wrote this novel about an emperor’s son who impregnates his father’s wife Lady Fujitsubo.  
 ANSWER: *The Tale of Genji* [or *Genji monogatari*]  
 [10] This contemporary Canadian-American novelist of Japanese descent frequently alluded to *The Pillow Book* in her debut novel, *My Year of Meats*. Her most recent novel is 2013’s *A Tale for the Time Being*.  
 ANSWER: Ruth Ozeki
15. In this landmark psychological experiment, subjects were shown a card with a line on it, after which they were shown a card with three different lines. For 10 points each:  
 [10] Name this experiment conducted at Swarthmore College that planted confederates who would intentionally choose an incorrect answer to test whether the subject would resist or yield to the group.  
 ANSWER: Asch conformity experiment [accept either underlined part]  
 [10] Solomon Asch’s study of conformity was inspired in part by the results of a Muzafer Sherif experiment that made use of this effect, in which light in a dark setting appears to move despite being stationary.  
 ANSWER: autokinetic effect  
 [10] The results of the Asch conformity experiment can be explained with this phenomenon, a kind of influence that causes us to change our behavior to be better liked. This type of influence is contrasted with an “informational” counterpart.  
 ANSWER: normative social influence [prompt on “social influence”]
16. This country’s war of independence began a year after the Log Revolution and included the Vukovar massacre. For 10 points each:  
 [10] Name this country that carried out Operation Storm, resulting in the defeat of the Republic of Serbian Krajina.  
 ANSWER: Croatia  
 [10] Croatia had previously been one of the six socialist republics that made up this country led by Josip Broz Tito.  
 ANSWER: Yugoslavia  
 [10] This man served as president of Croatia during its war of independence and throughout the rest of the 1990s. He was succeeded by two acting presidents before Stjepan Mesic became Croatia’s second president in 2000.  
 ANSWER: Franjo Tudjman
17. Curling spiral tendrils, several flowers and ferns, and fish appear in a disordered circular arrangement in this artist’s silver wire bedhead that he made for Peggy Guggenheim. For 10 points each:  
 [10] Name this American sculptor who also designed a set of earrings for Guggenheim that resembled miniatures of his mobiles, which include *Lobster Trap and Fish Tail*.  
 ANSWER: Alexander Calder  
 [10] The Peggy Guggenheim Collection also contains this painter’s *Attirement of the Bride*, in which a nude woman has the head of an owl and wears a rich red fur coat. He also painted *Ubu Emperor* and *Europe After the Rain*.  
 ANSWER: Max Ernst  
 [10] A highlight at the Peggy Guggenheim is this Frenchman’s *Au Vélodrome*, in which a racetrack scene is visible through the transparent outline of a cyclist. This Crystal Cubist worked with Albert Gleizes on the text *Du Cubisme*.  
 ANSWER: Jean Metzinger
18. Organisms that live in the deep-sea ecosystems centered on these objects include members of the genus *Osedax*, also known as “zombie worms.” For 10 points each:  
 [10] Name these objects that, along with marine snow, act as the main source of organic matter in the abyssal zone.  
 ANSWER: whale falls [accept answers describing dead whales]  
 [10] These organisms are present during the “mobile scavenger” stage of a whale fall ecosystem. These members of the class Myxini are known for being able to secrete copious amounts of slime in order to defend against predators.  
 ANSWER: hagfish  
 [10] These other objects produce geothermally heated, nutrient-rich water that supports a wide variety of organisms, including chemosynthetic bacteria and tubeworms. They may form chimney-like structures called black smokers.  
 ANSWER: hydrothermal vents

19. In its initial form, this hypothesis proposed that the Pentateuch derived from four initial narrative sources, which were combined over time by a series of redactors. For 10 points each:
- [10] Name this hypothesis, which was promoted by and is sometimes alternatively named for Julius Wellhausen.  
ANSWER: **documentary** hypothesis
- [10] One of the four sources in the documentary hypothesis is named for this fifth book of the Pentateuch. The ending of this book relates the death of Moses and his succession by Joshua as leader of the Israelites.  
ANSWER: **Deuteronomy**
- [10] Wellhausen identified this scribe as the final redactor of the Pentateuch. In his namesake book, he expresses dismay that some Jews have married non-Jews while in exile and decides that these foreign wives and their children must be sent away.  
ANSWER: **Ezra**
20. This figure's rejection of the ugly but strong Ihanaga in favor of the beautiful but frail Kono-hana provides a mythical explanation for how Japanese royals can be mortal despite being descended from *kami*. For 10 points each:
- [10] Name this figure who brought the Imperial regalia to Japan and supplanted Okuninushi as the ruler of Izumo.  
ANSWER: **Ninigi**
- [10] Ninigi descended to earth at the request of this sun goddess, who had a bitter feud with her brother Susano'o.  
ANSWER: **Amaterasu**
- [10] Ninigi's son Ho-ori married this daughter of Ryujin, but she abandoned him after he ignored her wish to give birth in privacy and discovered that her true form was a giant sea monster.  
ANSWER: **Otohime** [or **Tovotama-hime**]