

### Tossups

1. Christina Enroth-Cugell discovered that X-type cells in this structure have a linear receptive field but Y-type cells do not. A tumor-suppressing protein named for a cancer of this structure segregates E2F to restrict cell division. A GPCR found in this structure is activated when its receptor undergoes a cis-trans isomerization, ultimately causing the degradation of cyclic GMP. Muller cells make up this structure's basement membrane, and ciliary bodies are continuous with its epithelium. The suprachiasmatic nucleus receives signals from this structure's bipolar and amacrine cells. Rhodopsin is found in this structure. The fovea is located at its center. For 10 points, name this structure which contains rods and cones, the photosensitive region of the human eye.

ANSWER: retina

2. In one poem, this poet compared the floating Ophelia to "a great lily." The speaker of one of his poems cries "But, truly, I have wept too much! The Dawns are heartbreaking." In a letter to Paul Demeny, this poet wrote that a poet should turn himself into a seer. He declared "One must be absolutely modern" in the final "Farewell" section of one of his poems. A different poem by this author begins after "gaudy redskins" have nailed the haulers to totem poles, leaving the narrator "floating down calm Rivers." A long poem by this author includes the sections "Bad Blood" and "Delirium" and describes a journey to the underworld, as well as his relationship with Paul Verlaine. For 10 points, name this Symbolist poet of "The Drunken Boat" and *A Season in Hell*.

ANSWER: Jean Nicolas Arthur Rimbaud

3. Rachmaninoff related how Anton Rubinstein once improvised brilliantly after forgetting this piece, but greatly disappointed everyone by suddenly finding his place four minutes later. Scriabin injured his hand by over-practicing Liszt's *Réminiscences de Don Juan* and this piece. This piece's second theme is inspired by the Crimean Tartars, and its first theme is based on a Kabardian dance called the *lezginka*. Notably featuring both easier and more difficult *ossias*, it was composed in Tchaikovsky's house after a visit to the Caucasus. It was premiered by Nikolai Rubinstein. Ravel's *Gaspard de la nuit* was composed to be even more difficult than this piece. For 10 points, name this extraordinarily difficult piano piece, an "Oriental Fantasy" by Mily Balakirev.

ANSWER: Islamey: *An Oriental Fantasy*

4. This man wrote a short story in which Mrs. Munson reluctantly buys a mink coat from Vini Rondo, only for it to rip when she puts it in the closet. This author of "A Mink of One's Own" first gained prominence for a story in which the widow Mrs. Miller is terrorized by a young girl with the same first name as her. That story, "Miriam," allowed him to get a contract to write his first novel, which is about an effete boy named Joel Harrison Knox. A mysterious woman created by this author goes to Sing Sing ostensibly to get the weather report for the gangster Sally Tomato. This author of *Other Voices*, *Other Rooms* wrote a non-fiction novel based on the murder of the Clutter family, and created Holly Golightly. For 10 points, name this author of *In Cold Blood* and *Breakfast at Tiffany's*.

ANSWER: Truman Capote [or Truman Streckfus Persons]

5. One of these animals became the Hoji after being shot at Nasu; the body of that one was disguised as the beautiful woman Tamamo-no-Mae, and became the Killing Stone after death. Some of these animals were known by the Heian court title *myobu*. A woman named Daji was possessed by one during the last Shang emperor's reign. In another country, these animals eat the livers or hearts out of young men after posing as seductresses. Spirit versions of this animal include the Korean *gumiho*, the Chinese *huli jing*, messengers depicted at Fushimi who serve the rice god Inari, and other Japanese *kitsune*. For 10 points, name this animal whose oldest examples in east Asian mythology have nine tails.

ANSWER: foxes [or fox spirits; or nine-tailed foxes; or fox women; prompt on "shapeshifters"]

6. This thinker ended a 20-section work by asking "how far the resources of irony can be stretched," after describing its title concept as "soft" in John Cage's work and "loud" elsewhere. In another essay, this thinker noted in a footnote that the Greek notion of form was spatial rather than temporal, and wrote that the idea of "content" is a "mere hindrance." This author of "The Aesthetics of Silence" ended an essay by writing "In place of a hermeneutics, we

need an erotics of art." She contrasted the glorification of tuberculosis patients with the victim-blaming experienced by cancer patients, and quoted Oscar Wilde to discuss a sensibility which is "good because it's awful." For 10 points, name this American author of *Illness as Metaphor*, who included "Notes on 'Camp'" in *Against Interpretation*.

ANSWER: Susan Sontag

7. This man often wore a green sash that he earned by diving into Hughes Creek to save Richard Shelton from drowning. Father Charles O'Hea talked with this man during his time in Pentridge and before his death. At a young age, this man was arrested for assaulting Ah Fook, and he sent bull testicles to the wife of a man named McCormack. Bill Skillion and Brickly Williamson were arrested after this man shot Alexander Fitzpatrick, who tried to arrest this man's brother for horse stealing. The informant Aaron Sheritt was killed by Joe Byrne, who wrote down this man's dictation in the Jerilderie Letter. This man and his gang took part in a shoot-out at Glenrowan, where this man was wounded despite wearing homemade metal armor. For 10 points, name this Australian bushranger.

ANSWER: Ned Kelly [or Edward Kelly]

8. A 2012 French documentary follows Natalie Dessay as she prepares for her role in this opera. Its title character sings a farewell to past happiness in "Addio, del passato." A father in this opera consoles his son by singing of their ancestral home in "Di Provenza." In its first act, the lead soprano gives the lead tenor a camellia flower and tells him to return when it has faded, a detail taken from the Dumas Fils novel this opera is based on. Its title character considers a declaration of love but rejects it in favor of her freedom in the aria "Sempre libera," which is sung in Act 1 after the drinking song "Libiamo ne' lieti calici." Its plot concerns Giorgio Germont, who tries to get his son Alfredo to cut off relations with Violetta Valery. For 10 points, name this Verdi opera about a consumptive courtesan.

ANSWER: *La traviata* [or *The Fallen Woman*]

9. Bulgarian political superstar Nickolay Mladenov has been tasked with resuscitating the floundering UN Assistance Mission to this country. A politician from here once fled Jordan after the collapse of his oft-embezzling Petra Bank, and in 2010 banned five-hundred electoral candidates after discovering nobody had officially abolished his old position. Izzat Ibrahim al-Douri is probably funding the Sufi Naqshabandi Army in this country, which saw violence at Hawija during extended protests following a police raid on the home of Finance Minister Rafi al-Issawi in 2012. Its government is led by the Islamic Dawa Party and recently lost control of parts of its western province after ISIS took over Ramadi and Fallujah. For 10 points, name this state where Nouri al-Maliki attempts to enforce order from Baghdad.

ANSWER: Republic of Iraq

10. A leader of this country limited the press with the Defamatory and Offensive Publications Decree and carried as a swagger stick a stuffed baby crocodile. Following a war in this country, its leader announced the Three Rs policy. The Africa Shrine and Kalakuta Republic were both run by a musician in this country named Fela Kuti. A government in this country was overthrown by a coup led by the "five majors," and an unsuccessful attempt to prevent a war in this country led to the Aburi Accord. In 1970, a ruler of this country used the phrase "no victor, no vanquished" to describe the result of this country's three year civil war with a state led by Odumegwu Ojukwu. For 10 points, name this country led by Yakubu Gowon during an Igbo attempt to secede to form Biafra.

ANSWER: Federal Republic of Nigeria

11. TMEDA enhances substitution of this element for acidic hydrogens, and in directed ortho metallation, it is usually inserted adjacent to an ether. According to the Ireland transition state model, this element chelates both oxygens during the formation of a kinetic enolate, because its diisopropylamide salt is a strong hindered base. 12-crown-4 is specific for this element's cation. Weakly nucleophilic dialkylcuprates contain copper and this other metal, and in the reduction of carboxylic acids to alcohols, it is a counter-ion to aluminum hydride. This element burns in air to form a purplish metallic nitride. This element burns crimson in a flame test, and its salts are used to treat bipolar disorder. For 10 points, name this lightest alkali metal, with atomic number 3.

ANSWER: lithium [or Li]

12. Sex among these people occurred after a man endures a woman scratching him to the point of drawing blood. Annette Weiner is best known for publishing a reassessment of the role and power of women among them. They

generally believed pregnancy was caused not by sex but by death spirits called *baloma*. On the sea-going canoes of these people, boys were employed to sound a conch shell once for each valuable on board. This people, whose customs were explored in *The Sexual Life of Savages* and *Coral Gardens and Their Magic*, have a ritual involving long expeditions to deliver and receive gifts such as armbands and shell necklaces. For 10 points, name this people whose Kula ring was studied in the *Argonauts of the Western Pacific* by Bronislaw Malinowski.

ANSWER: **Trobriand** Islanders

13. A poem in this collection describes “the waist stained by wine when the vile god steps on broken wineglasses” in the section “An Assassin Sleeps.” Sections like “I End Here” and “The Slingman” appear in this collection’s last poem, “I Am.” One poem in this collection states that “Mighty death invited me many times” and begins with the narrator claiming to move “From air to air, like an empty net.” This collection includes sections like “America, I Do Not Invoke Your Name in Vain” and “A Lamp on Earth.” Another poem from this collection addresses figures like “the reticent shepherd” and the “groom of totemic guanos” and asks “Arise to birth with me, my brother.” For 10 points, name this collection which includes “The Heights of Machu Picchu,” an exploration of Latin American history by Pablo Neruda.

ANSWER: **Canto General** [or **General Song**]

14. Either the name of this process or the word “red” is used to describe noise that has a “one over  $f$  squared” power spectral density. Some turbulent flows are found to be better modeled by a scale-free relative of this process called a Lévy flight. Objects that experience this phenomenon are described by the SDE “ $k$  times  $x$  double dot equals  $x$  dot plus a Gaussian noise forcing term”, which is the Langevin equation. Since this stochastic phenomenon is a Wiener process, it is the infinitely-fine-lattice limit of a random walk. For 10 points, name this microscopic model that describes diffusion as the random motion of particles through a fluid, named for a botanist who observed pollen grains undergoing it.

ANSWER: **Brownian** motion [or **pedesis**; prompt on “diffusion”; prompt on “random walk”; prompt on “Wiener (process)”]

15. This artist painted two black-clad men watching a thin woman walking by in one of his many depictions of Venetian streets. This artist depicted women and children carrying baskets and approaching the sea in his *Oyster Gatherers of Cancale*. His portrait of a certain author depicts him pacing while his shawled and seated wife appears at the right edge of the canvas. This artist of a portrait of Robert Louis Stevenson painted girls standing around some Japanese vases in one work, while in another some children are playing with Chinese lanterns. This artist scandalously depicted Virginie Gautreau in a black dress in another painting. For 10 points, name this American artist of *The Daughters of Edward Darley Boit*, as well as *Carnation, Lily, Lily, Rose* and *Madame X*.

ANSWER: John Singer **Sargent**

16. This person was passed over by a man called Ploni Almoni, a Hebrew placeholder name akin to John Doe. This person's namesake narrative notes that the giving of a sandal was once a common token of exchange. A trial of ten elders determined the fate of this person in a book read on Shavuot. After getting separated from Orpah, this one-time wife of Mahlon uncovers the feet of a man on a threshing floor. This mother of Obed helped restore the line of Elimelech and met her eventual husband while gleaning in the fields. This Moabite declares "Intreat me not to leave you...Where you go, I go" to her mother-in-law Naomi. For 10 points, name this woman who became an Israelite by marrying Boaz, a great-grandmother of King David whose namesake Biblical book comes after Judges.

ANSWER: **Ruth** [or **Rut**]

17. A commander in this battle responded to hearing about the tough day for his side with “Lick’em tomorrow, though.” Forces arrived too late for the first day of this battle after a general took his troops from Stoney Lonesome on the Shunpike Road instead of the River Road. In a rearguard action after this battle, Nathan Bedford Forrest was shot at Fallen Timbers. Daniel Ruggles concentrated the fire of more than fifty cannons on a position here. A surprise Confederate attack started this battle before Union reinforcements from the Army of the Ohio under Don Carlos Buell could arrive. Albert Sidney Johnston died in this battle, which occurred after the fall of Forts Henry and Donelson and had hard fighting at the Hornet’s Nest. For 10 points, name this 1862 Union victory in Tennessee, also called Pittsburg Landing.

ANSWER: Battle of **Shiloh** [accept Battle of **Pittsburg Landing** before read]

18. In one play by this author, the clerk William Falder escapes his parole officer and leaps out a window. One novel by this author of *Justice* includes characters like Prosper Profond, who falls in love with the wife of Montague Dartie, Winifred. A recurring character created by this author marries Annette, with whom he has a daughter who enters into a loveless marriage with Michael Mont. That character is killed by a falling painting in the "Swan Song" section of *A Modern Comedy*. That character, who resides at Robin Hill and has a daughter named Fleur, discovers that the architect Philip Bosinney is having an affair with his wife Irene, and appears in novels like *In Chancery* and *The Man of Property*. For 10 points, name this British author of the Forsyte Saga.

ANSWER: John Galsworthy

19. Under a polarizing microscope, this mineral is characterized by first-order gray interference colors, low relief, and minimal twinning. It lies at the top of a diamond-shaped compositional diagram whose other corners consist of alkaloid feldspar, plagioclase, and feldspathoid minerals. Like feldspar, it is a framework mineral. One form of this mineral, which usually has a trapezohedral trigonal system, displays deformed lamellae, and is found alongside coesite. That form of this mineral is only found near shatter cones, is produced by impact events, and is described as "shocked." Gem varieties of this piezoelectric mineral include onyx and amethyst. For 10 points, name this abundant mineral that defines a 7 on the Mohs scale, which is made of silicon dioxide.

ANSWER: quartz [prompt on "silicon dioxide"; prompt on "silica"]

20. This ruler won the Battle of Klissow against a king who later led the Sandomierz Confederation in opposing this man. He was forced to give up resisting and be arrested after a fire broke out in a house where he was staying, after which he escaped incognito from Turkey and returned to his home country. This ruler had a prisoner broken on a wheel and then quartered after Johann Patkul was given up through the Peace of Altranstadt. Stanislaw I was placed on the Polish throne by this ruler after he deposed Augustus the Strong. He was shot in the head during a siege of Fredrikshald. The Cossack hetman Ivan Mazeppa allied with this leader in a loss at Poltava. For 10 points, name this king who fought the Great Northern War against Peter the Great while leading Sweden.

ANSWER: Charles XII [or Karl XII; prompt on "Charles"]

TB 1. This man described human nature in terms of a type of striving called *conatus*, which is altered by "active joy," "active desire", and other affects. This man divided knowledge into three increasingly clear categories: *experientia vaga*, *ratio*, and *scientia intuitiva*. He inspired the analysis of "multitude" in Hardt and Negri's *Empire*. The only book this man published under his own name was a critique of Descartes' *Principles of Philosophy*. This man defined "attribute" as "what the intellect perceives of a substance as constituting its essence" in a list of fifteen propositions starting one book. He wrote that Moses did not write the Torah in *Tractatus Theologico-Politicus*. For 10 points, name this philosopher whose pantheism, expounded in his *Ethics*, led to his expulsion from Dutch Jewry.

ANSWER: Baruch Spinoza [or Benedictus de Spinoza]

**Bonuses:**

1. Mukaiyama introduced a variant of this reaction in which silyl enol ethers add to aldehydes. For 10 points each:  
[10] Name this reaction which produces the namesake beta-hydroxy carbonyl compound by forming an enolate, which then attacks a carbonyl.

ANSWER: aldol reaction [or aldol addition; or aldol condensation]

[10] Enolates can be generated from their corresponding keto/enol tautomers by reacting them with a strong one of these compounds. These compounds accept protons according to the Bronsted-Lowry definition.

ANSWER: bases

[10] The formation of the alpha-beta unsaturated carbonyl compound after an aldol addition proceeds via this reaction mechanism, in which an electron pair of a carbanion expels a poor leaving group like a hydroxide.

ANSWER: E1cb [or unimolecular elimination by conjugate base]

2. The narrator of this poem observes gulls “oscillating their bodies” and wonders “what is the count of the scores or hundreds of years between” him and his fellow travelers. For 10 points each:

[10] Name this poem that begins “Flood-tide below me! I watch you face to face.”

ANSWER: “Crossing Brooklyn Ferry”

[10] This American author of the temperance novel *Franklin Evans* included “Crossing Brooklyn Ferry” in his poetry collection *Leaves of Grass*.

ANSWER: Walter Whitman

[10] This poem by Whitman extolls the “resistless restless race” and begins “Come my tan-faced children.” This poem praises the westward expansion of American settlers and repeats its title at the end of every verse.

ANSWER: “Pioneers! O Pioneers!”

3. This plot was discovered after Lord Monteagle received an anonymous letter that was likely written by his brother-in-law. For 10 points each:

[10] Name this unsuccessful 1605 plot that intended to blow up James I and Parliament and instead resulted in the capture of Guy Fawkes.

ANSWER: Gunpowder Plot

[10] This man led Fawkes and the other conspirators in the Gunpowder Plot.

ANSWER: Robert Catesby

[10] Catesby had earlier been mixed up in the Essex Rebellion, which was led by this 2nd Earl of Essex. He had been a favorite of Elizabeth I until his disastrous command against Tyrone’s Rebellion in 1599 led to his house arrest.

ANSWER: Robert Devereux

4. The third movement of the second of these works depicts a thunderstorm. For 10 points each:

[10] Name this set of four violin concertos by Antonio Vivaldi.

ANSWER: *The* Four Seasons [or *Le* quattro stagioni]

[10] Another work with four movements depicting the seasons is *Estaciones Porteñas* by Astor Piazzolla. Carlos Gardel was another famous composer of music for this dance, which was created in Argentina.

ANSWER: tango

[10] This British composer “recomposed” *The Four Seasons* using minimalist techniques. He composed the soundtrack for *Waltz with Bashir*, and released the album *The Blue Notebooks*.

ANSWER: Max Richter

5. This religion's temples are largely unpainted among the Digambara sect, though the Svetambara sect often includes brightly-painted statues of great teachers called *tirthankaras* in its temples. For 10 points each:

[10] Name this Indian religion promoted by Mahavira. Its vow of *ahimsa*, or strict non-violence, leads many adherents to vegetarianism.

ANSWER: Jainism [or Jain dharma; or Jains]

[10] For Jains, a parable about this animal illustrates the principle of *anekantavada*, or multiple correct viewpoints. Different blind men perceive it as a pillar, a hand fan, or a throne in the version told by Rumi.

ANSWER: an elephant

[10] In Jainism, this thing, the soul of a conscious living being, has karma attach to it in the form of small particles.

Five types of this thing are distinguished by the number of senses the constituent organism has.

ANSWER: jiva [or jivatma]

6. The protagonist of this novel discovers that she has a twin sister named Naeko. For 10 points each:

[10] Name this novel about the foundling Chieko Sada, whose family runs a kimono business.

ANSWER: *The Old Capital* [or Koto]

[10] *The Old Capital* is by this author of “The Dancing Girl of Izu” and *Snow Country*.

ANSWER: Yasunari Kawabata

[10] In this Kawabata novel, the old man Shingo Ogata observes the failing marriages of his son Shuichi and his daughter Fusako.

ANSWER: *The Sound of the Mountain* [or Yama no Oto]

7. This economist blamed rampant speculation for Black Thursday in *The Great Crash, 1929*, and warned about the dominant nature of massive firms in *The New Industrial State*. For 10 points each:

[10] Name this advisor to John F. Kennedy who included the chapter “The Marxian Pall” in another book.

ANSWER: John Kenneth Galbraith

[10] Galbraith described himself as a follower of this British economist who argued for strong government spending during recessions in *The General Theory of Employment, Interest, and Money*.

ANSWER: John Maynard Keynes

[10] Galbraith argued that organizations like labor unions provide an important check on the dominance of the industrial state, an example of this two word concept. It subtitles his book *American Capitalism*.

ANSWER: “countervailing power”

8. This term literally referred to two classes, the munban and muban, and its members were often entertained by kisaeng. For 10 points each:

[10] Name this class at the top of a hierarchy that included the chungin, sangmin, and ch'onmin.

ANSWER: yangban [or sadaebu yangban]

[10] The yangban served as the elite class of this dynasty for five centuries. This dynasty started by T'aejo succeeded the Goryeo dynasty.

ANSWER: Choson Dynasty [or Joseon Dynasty; or Yi Dynasty]

[10] The Choson ruled this Asian peninsula that is now separated into “North” and “South” countries.

ANSWER: Korean Peninsula [or Hanguk bando; prompt on Choson bando]

9. Whitney's theorem gives conditions under which a pair of graphs will have this property. For 10 points each:

[10] Name this property, which a pair of graphs has if there exists an edge-preserving bijection between their vertices. More generally, a pair of objects has this property if there is an invertible homomorphism between them.

ANSWER: isomorphic [or word forms]

[10] The graph isomorphism problem is probably the strongest candidate for being in this complexity class. As a converse of Ladner's theorem, a proof that this class is non-empty would demonstrate that P does not equal NP.

ANSWER: NP-intermediate [or NPI]

[10] A much simpler problem on graphs is determining whether one can perform the “n = 2” case of this graph labeling procedure. Appel and Haken gave a computer-assisted proof that this task requires at most 4 of the namesake properties for any planar map.

ANSWER: coloring [accept vertex coloring; accept edge coloring; accept face coloring; accept map coloring]

10. This dialogue takes place at the home of Callias, and features an interlude about Prometheus and Epimetheus creating mankind. For 10 points each:

[10] Name this Platonic dialogue whose central question is whether virtue can be taught.

ANSWER: Protagoras

[10] At the end of the *Protagoras*, Socrates concludes that virtue is equal to this concept, which Plato also wrote about in the *Theaetetus*.

ANSWER: knowledge [or episteme]

[10] In a book named after this ethical theory, John Stuart Mill wrote that it was first stated by Socrates to Protagoras. This ethical view advocates the greatest happiness for the greatest number.

ANSWER: utilitarianism [or Utilitarianism]

11. Answer the following about the awful genre of sentimental novels, for 10 points each.

[10] The title character of this Samuel Richardson novel is kidnapped, held captive, and almost raped by Mr. B; naturally, they end up happily married at the end of this novel, which is subtitled "Virtue Rewarded."

ANSWER: Pamela; or, *Virtue Rewarded*

[10] This female author of novels like *Cecilia* and *Camilla* wrote about a "Young Lady's Entrance into the World" in the imaginatively titled *Evelina*.

ANSWER: Frances Burney [or Madame d'Arblay; accept "Fanny" for "Frances"]

[10] This novel follows Harley, the title character, as he meets a bunch of sad people, cries a lot, and eventually dies of lovesickness for Miss Walton. It was written by Henry Mackenzie.

ANSWER: *The* Man of Feeling

12. This album's song "Kathy's Waltz" is named for a misspelling of the name of the bandleader's daughter, and its song "Three to Get Ready" was turned into the French hit "Jazz et Java" by Claude Nougaro. For 10 points each:

[10] Name this album that included Joe Morello on drums, Eugene Wright on bass, and Paul Desmond on alto saxophone.

ANSWER: Time Out

[10] This song on *Time Out* is in 5/4 time throughout. It was an unexpected hit, reaching number one on the pop charts.

ANSWER: "Take Five"

[10] Dave Brubeck, the bandleader of the Dave Brubeck Quartet, played this instrument also played by Art Tatum, Herbie Hancock, and Count Basie.

ANSWER: piano

13. Armchair physicists on the internet spend lots of time arguing about these theories. For 10 points each:

[10] Name these theories of quantum gravity that posit one-dimensional objects that are about as long as the Planck length.

ANSWER: string theories

[10] The discovery of "S," "T," and "U" relationships of this type facilitated the unification of five disparate string theories into M-theory. These relationships provide a transformation between physical theories, and much recent research has focused on one discovered by Maldacena that relates AdS spaces to conformal field theories.

ANSWER: duality [or word forms like dual transformation; prompt on "correspondence"]

[10] M-theory relies on this subsidiary theory, which holds that each fermion has a much more massive bosonic partner, and vice versa. Unfortunately for string theorists, the LHC has found some counter-evidence to this theory.

ANSWER: supersymmetry [or SUSY]

14. This deity's name was used with "blue," "red," and "white" to refer to gods of the south, west, and east; he himself, or at least his "black" form, controls the north. For 10 points each:

[10] Name this Aztec god of creativity and the night sky. This antagonist of Quetzalcoatl was often represented as a jaguar or a smoking obsidian mirror.

ANSWER: Tezcatlipoca [or Black Tezcatlipoca]

[10] At these man-made locales, Tezcatlipoca could appear in the night to test the skill of warriors. Other beings who preside over these man-made locales include Eshu and Hecate.

ANSWER: crossroads [or intersections, I guess; accept any answer indicating the point where two, three, or more roads meet at a point; accept trivia; prompt on "roads"]

[10] Tezcatlipoca once abducted this goddess of love and flowers. She was accompanied by a retinue of butterflies.

ANSWER: Xochiquetzal ("sho-chee-KET-zahl")

15. This painter's nudes include *Mata Moana* and *Figure in Motion*. For 10 points each:

[10] Name this painter whose philosophy of art is set out in the book *The Art Spirit*.

ANSWER: Robert Henri [or Robert Henry Cozad]

[10] Henri's *Figure in Motion* was exhibited at this 1913 show, at which *Nude Descending a Staircase* was also exhibited.

ANSWER: Armory Show [or the International Exhibition of Modern Art]

[10] *Nude Descending a Staircase* is by this artist who made a bunch of readymades and turned a urinal into a

sculpture called *Fountain*.

ANSWER: Marcel **Duchamp**

16. The only two Congressmen to vote against this resolution were Wayne Morse and Ernest Gruening. For 10 points each:

[10] Name this resolution that was passed on August 7, 1964, and which was prompted by two alleged attacks on destroyers in the U.S. Seventh Fleet by North Vietnamese ships.

ANSWER: **Gulf of Tonkin** Resolution [or **Tonkin Gulf** Resolution]

[10] While the *Turner Joy* may not have actually engaged with any North Vietnamese ships on August 4, this destroyer did engage with torpedo boats two days earlier.

ANSWER: USS **Maddox**

[10] In 1970, this then-freshman Republican Senator from Kansas introduced an amendment to repeal the Gulf of Tonkin Resolution. He later served as party leader in the Senate, including two stints as Senate Majority Leader.

ANSWER: Bob **Dole** [or Robert Joseph **Dole**]

17. Packers QB Matt Flynn led an improbable 5 straight touchdown drives with the help of two of these plays in Week 15, while Rob Jackson was the beneficiary of one of these that ended the 2013 season. For 10 points each:

[10] Identify these blunders by a Mexican-American Eastern Illinois alum, perpetrated with shocking regularity in the 4th quarter of close games.

ANSWER: **interceptions** thrown by **Tony Romo** [or **Romoes**; accept equivalents; prompt on partial answer]

[10] An interception sealing a playoff loss to the Giants famously led this receiver to tearfully defend Romo, saying “that’s really unfair... that’s my quarterback.” He got along less well with quarterbacks in Philadelphia and San Francisco.

ANSWER: Terrell **Owens** [or **TO**]

[10] In 2013, this defensive back picked off Romo to help clinch a Week 15 win for the Packers. As a rookie, he intercepted both Jay Cutler and Caleb Hanie in the 2010 NFC Championship game.

ANSWER: Sam **Shields**

18. The playwright Philemon alleged that this man instituted public brothels in Athens, and this man apocryphally told Croesus of Lydia that no man could be happy until death. For 10 points each:

[10] Name this Athenian statesman who was credited with issuing a namesake constitution and introducing a law code that repealed many of Draco’s harsh laws.

ANSWER: **Solon**

[10] Plutarch and Aristotle also credit Solon with the creation of the Council of Four Hundred, which was later expanded to five hundred men by this democratic reformer.

ANSWER: **Cleisthenes** [or **Clisthenes**]

[10] According to Plutarch, Solon once acted crazy so he could talk about this island, whose recapture he later led. Talk of fighting for this island had been made punishable by death after it had been taken by the Megarians.

ANSWER: **Salamis**

19. This type of RNA typically has 21 or 22 base pairs, and, like its counterpart, is formed by Dicer. For 10 points each:

[10] Name this type of double-stranded RNA used in RNA interference which forms perfect base pairs to its target mRNA sequence, unlike miRNA. It is used to knock down genes because the mRNA gets cleaved.

ANSWER: **siRNA** [or **small interfering RNA**; or **short interfering RNA**; prompt on **silencing RNA**; or “ribonucleic acid” for RNA where appropriate]

[10] The mechanism of RNA interference was first studied by Fire and Mello in this model organism, a nematode.

ANSWER: **Caenorhabditis elegans** [or **C. elegans**]

[10] Another mechanism of post-transcriptional modification is the deamination of adenosine in mRNA into this other nucleoside, which is often found in the tRNA wobble position because it base pairs with itself, A, C, and U.

ANSWER: **inosine** [or **I**]

20. In this novel, the seminary director Monsieur Pirard resigns because of his disgust for church politics. For 10 points each:

[10] Name this novel in which Julien Sorel is executed for shooting Madame de Renal.



ANSWER: *The **Red and the Black*** [or *Le **Rouge et le Noir***]

[10] *The Red and the Black* is by this author, who also wrote the excellently named novella *Vanina Vanini*.

ANSWER: **Stendhal** [or Marie-Henri **Beyle**]

[10] This woman becomes engaged to Monsieur de Croisenois despite her love for Julien Sorel. Julien makes her jealous by pretending to court Madame de Fervaques.

ANSWER: **Mathilde** de la Mole [prompt on “de la Mole”]