# SOUTHEAST-MIDWEST HOUSEWRITE: PACKET 4

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NOTE: THESE TOSSUPS AND BONUSES ARE PAIRED. IF THE TOSSUP GOES DEAD, SKIP THE ASSOCIATED BONUS. DO **NOT** GO BACK AND READ ANY BONUSES THAT ARE SKIPPED.

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**1. In Mirizzi's syndrome, the blockage of this organ leads to a positive Murphy sign. Buildup of cholesterol deposits in foam cells leads to a strawberry-like appearance of this organ. Structures from this organ may be lodged in a mucosal fold known as Hartmann's pouch. The cystic duct joins this organ to the common hepatic duct. This organ is removed in a (\*)** cholecystectomy ("koh-luh-sis-TEK-tuh-me"). This organ and the pancreas are stimulated in response to the hormone CCK. The sphincter of Oddi controls the digestive output of the pancreas and this organ, which is the storage site of a greenish-yellow fluid used to emulsify fats in the duodenum. For 10 points, name this organ that stores bile produced in the liver.
ANSWER: **gallbladder** [prompt on gallstones]
<Valan, Biology> [Ed. Lei]

1. The southernmost herd of these animals, preserved on the Goodnight ranch in the Texas Panhandle in 1876, may still exist today in Caprock Canyons State Park. For 10 points each:
[E] Name these massive Great Plains mammals that were hunted to near extinction during the Indian Wars. Railroads employed hunters of these animals such as William Cody, who took his nickname from them.
ANSWER: American **buffalo**s [or American **bison**; accept "**Buffalo** Bill"]
[H] The all-African-American 10th Cavalry Regiment, known as the "Buffalo Soldiers," was formed in an army post in this state. The Medicine Lodge Treaty, signed in this state, attempted to relocate tribes such as the Kiowa.
ANSWER: **Kansas**
[M] The Assiniboine forced these people westward from the Great Lakes region to the Great Plains, where they took up buffalo hunting. These people and the Arapaho were killed in the Sand Creek Massacre.
ANSWER: **Cheyenne**
<Strombeck, American History> [Ed. Nageswaran]

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**2. In an opera in this language, the motif of a frog jumping into a hunter's lap begins and ends his experience with the title character. A character from an opera in this language who must wait for her lover to spend a year sober has her cheeks slashed with a knife. Instrumental sections of an opera in this language include an oft-excerpted "Dance of the Comedians" and several (\*)** furiants. Operas in this language include *The Cunning Little Vixen* and one featuring the drowning of a baby in an icy river by the stepdaughter of the Kostelnička ("koh-stel-NEET-sah"). Jeník ("YEH-nik") accepts 300 florins to give up his lover Mařenka in an opera in this language titled *The Bartered Bride*. For 10 points, name this Slavic language used for operas by composers like Leoš Janáček ("YAH-nah-check") and Bedřich Smetana.
ANSWER: **Czech** [or **Čeština**; accept **Bohemian**]
<Dantzler, Opera> [Ed. Strombeck]

2. One of this author's plays ends with Gabriel doing "a dance of atavistic signature and ritual" after trying to open the Gates of Heaven for his brother using a broken trumpet. For 10 points each:
[E] Name this author whose plays *The Piano Lesson* and *Fences* are part of his Pittsburgh Cycle.
ANSWER: August **Wilson**
[M] In a Pittsburgh Cycle play partially named for this woman and set in the 1920s, the trumpeter Levee stabs Toledo while their band attempts to record a new track for this Black jazz singer.
ANSWER: Ma **Rainey** [or Gertrude Malissa Nix **Pridgett**; accept *Ma **Rainey**'s Black Bottom*]
[H] The Pittsburgh Cycle play *Jitney* is titled for unlicensed workers of this profession, such as Youngblood and Turnbo. A different play ends with a man named Agate leading workers of this profession in chanting "STRIKE!"
ANSWER: **cab driver**s [or **taxi driver**s; prompt on **drivers** or synonyms; accept equivalents like **cabbies** or **taximen**; do NOT accept or prompt on "bus drivers"] (The unnamed play is *Waiting for Lefty* by Clifford Odets.)
<Ashbrook, Drama> [Ed. Leahy]

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**3. After returning to Ithaca, a disguised Odysseus claimed he had spent seven years at the court of a king of this place. Io and the naiad Achiroe ("Ah-KEER-oh-ee") were both married to kings of this place. Those kings were Telegonus and Belus, respectively. The gods transformed into animals and fled to this place to escape from Typhon, where Heracles was nearly sacrificed by a king named Busiris. The Danaids ("da-NEY-idz") killed (\*)** 49 out of the 50 sons of a king who is the namesake of this place where Menelaus wrestled with Proteus. The god Nilus was the ancestor to some kings of this place, where Serapis was worshipped. For 10 points, name this modern-day country dominated by the Nile River.
ANSWER: **Egypt** [accept **Aegyptus**]
<Prabhakar, Myth> [Ed. Groger]

3. This theorem allows one to easily compute the perfect squares mod *p* where *p* is prime. For 10 points each:
[H] Name this theorem proved by Carl Friedrich Gauss, which gives the product of the Legendre symbols "*q* over *p*" and "*p* over *q*" for odd primes *p* and *q*.
ANSWER: law of **quadratic reciprocity**
[E] Some proofs of quadratic reciprocity use Wilson's theorem, which states that "negative one mod *n*" is congruent to this function applied to "*n* minus one." This function multiplies the first *n* integers and is represented by an exclamation point.
ANSWER: **factorial**
[M] Quadratic reciprocity can be restated in terms of a symbol created by this other mathematician. This mathematician proposed a set of 23 problems in 1900 meant to shape the course of math in the 20th century.
ANSWER: David **Hilbert**
<Karthik, Math> [Ed. Bowman]

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**4. A solar eclipse helped convince a wary leader to join this nation after he was previously shown one arrow breaking but a bundle of arrows staying firm. Members of this nation joined with Walter Butler during the Cherry Valley Massacre. The Sullivan Expedition destroyed this nation's villages during a conflict in which they were led by Cornplanter. This nation negotiated the Treaty of Fort Stanwix in response to violations of the (\*)** Proclamation of 1763 in the Ohio Country. Under the leadership of Molly and Joseph Brant, this nation allied with the British during the American Revolution. This nation's Great Law of Peace was legendarily made by the Peacemaker and Hiawatha. For 10 points, name this Indian confederacy centered in Western New York.
ANSWER: **Iroquois** Confederacy [accept **Five Nations**, **Six Nations**, or **Haudenosaunee**; accept **Mohawk**; accept **Onondaga**; accept **Oneida**; accept **Cayuga**; accept **Seneca**; accept **Tuscarora**]
<Strombeck, American History> [Ed. Nageswaran]

4. A red, black and white example of this fashion wear was designed by Peter Moore in 1985 and featured an iconic "Wings" logo. For 10 points each:
[E] Name this common clothing item whose athletic examples include the Nike-owned Air Jordan.
ANSWER: **shoe**s [accept **sneaker**s]
[H] This founder of the streetwear brand Off White redesigned several Nike shoes in a 2017 collaboration. This artistic director on Kanye West's album *Watch the Throne* likes to print words in quotation marks on his designs.
ANSWER: Virgil **Abloh**
[M] In 2018, Virgil Abloh was appointed creative director of this French luxury brand that forms a conglomerate with Moët & Chandon and Hennessy. Takashi Murakami designed this brand's colorful Cherry Blossom handbags.
ANSWER: **Louis Vuitton** [accept **LV**MH; accept **Louis Vuitton** Moët Hennessy]
<Strombeck, Fashion> [Edited]

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5. In one scene, this character suggests that vinegar should be sprayed in the enemies' eyes during sea battles. This character is earlier told to "buy the flask!" when another interrupts a prologue with the words "lost his little oil flask." After another character gives a line about two chariots and two corpses, this character's prose is judged to be less weighty. While attempting to rescue this character, (*) Xanthias is invited to a feast after he and Dionysus switch clothes. This character's real-life counterpart wrote a play whose title character proclaims that "women are the worst treated things alive." That woman escapes on a chariot after killing the children of her husband, Jason. For 10 points, name this playwright, who loses the seat for "Best Tragic Poet" to Aeschylus in *The Frogs* and wrote *The Trojan Women* and *Medea* in real life.
ANSWER: **Euripides**
<Karthik, Drama> [Ed. Leahy]

5. The popularity of videos in this genre has been partially attributed to its ability to provide digital commensality. For 10 points each:
[M] Name this genre of videos in which people broadcast themselves gorging on large amounts of food.
ANSWER: **mukbang**s
[E] Mukbangs originated in a country located on this peninsula. Kimchi and bibimbap are traditional meals from this peninsula.
ANSWER: **Korea**n peninsula [or **Korea**; accept North **Korea** or Democratic People's Republic of **Korea** or Republic of **Korea** or South **Korea**]
[H] This world leader's "clean plate" campaign, which seeks to minimize food waste, started issuing fines to mukbang video creators in his country in late 2020.
ANSWER: **Xi** Jinping
<Bowman, Other> [Edited]

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6. Along with diathesis, this phenomenon names a model describing how combining it with a predisposition can lead to disorders. Robert Sapolsky discussed how humans experience this phenomenon chronically in a book titled "Why Zebras Don't" experience a certain condition. Henry Murray conducted experiments on Harvard undergrads like Ted Kaczynski meant to study this phenomenon during interrogation. Hans Selye's model for the (*) response to this phenomenon is known as general adaptation syndrome and consists of reaction, resistance, and exhaustion. Holmes and Rahe developed a scale of "life change units" to measure this phenomenon and how much events like a car crash or the death of a loved one can cause it. For 10 points, name this phenomenon experienced by college students with big exams coming up.
ANSWER: psychological **stress** [accept **anxiety** before "Henry Murray" is read, prompt on anxiety afterwards until "Hans Selye" is read]
<Ashbrook, Psychology> [Edited]

6. Photon decoupling during the recombination epoch provides the photons that constitute this radiation. For 10 points each:
[E] Name this universe-permeating radiation discovered by Arno Penzias and Robert Wilson. This "relic radiation" is thermal radiation that was left over by the Big Bang.
ANSWER: **CMBR** [or **CMB**; or **cosmic microwave background** radiation]
[H] This probe, which succeeded the COBE satellite, measured anisotropies in the CMB. This probe discovered a cold spot within the CMB which is 70 microkelvin colder than average, thought to be caused by a supervoid.
ANSWER: **WMAP** [or **Wilkinson Microwave Anisotropy Probe**]
[M] WMAP's discovery of temperature fluctuations in the CMBR helped corroborate the current model of the universe, named for this constant and cold dark matter. This constant is equal to the energy density of space.
ANSWER: **cosmological** constant [accept **lambda**]
<Valan, Astronomy> [Ed. Bowman]

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7. **The Frenchman Charles François Dumouriez assisted rebelling nobles in this country during one war though his forces were defeated at the Battle of Lanckorona. A failed rebellion in this country saw thousands of civilians killed during the Massacre of Praga. This country's Constitution of May 3, 1791 was overturned after a war that saw foreign armies aided by disgruntled nobles in the (*)** Targowica ("tar-go-VEET-sah") Confederation. This home to the earlier Bar Confederation lost its independence after a failed 1794 uprising. That uprising led to the third and final partition of this country by Austria, Prussia and Russia. For 10 points, name this Eastern European country that was part of a commonwealth with Lithuania.
ANSWER: **Poland** [accept **Poland**-Lithuania or **Polish**-Lithuanian Commonwealth; do NOT accept nor prompt on "Lithuania"]
<Lau, British/European History> [Ed. Prabhakar]

7. One of the last of these musicians was Alessandro Moreschi, who was the First Soprano of the Sistine Chapel Choir and the only one of these singers to ever be recorded. For 10 points each:
[M] Name these male singers popular in the 18th century that had a vocal range up to that of a soprano. The most famous of these singers, named Farinelli, gave nightly performances for the Spanish royal court.
ANSWER: **castrati** [or **castrato**]
[H] Moreschi's range allowed him to perform the multiple high C's in this piece that was exclusively performed by the Sistine Choir. This piece was sung during Tenebrae services, and its transcription was forbidden until 1771.
ANSWER: ***Miserere** mei, Deus* (by Allegri)
[E] One of Moreschi's recordings was of a Charles Gounod piece that adds a prayer to this woman over a Bach prelude. That song and prayer are titled *Ave* [this person].
ANSWER: **Mary** [or **Maria**; accept "Hail **Mary**"; accept *Ave **Maria***]
<Dantzler, Classical Music> [Ed. Strombeck]

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8. **Hydrogen sulfide is used to produce a molecule mainly containing this atom in the Girdler sulfide process. A compound consisting of lithium and this atom replaced a liquid form of this atom as fuel for thermonuclear weapons. Labile ("LAY-bile") protons can be removed using a "shake" named for this atom's oxide. Replacement with this atom causes a drastic lowering in reaction rate in the most common (*)** kinetic isotope effect. Like graphite and water, a molecule mostly consisting of this atom is a common neutron moderator in nuclear reactors. The proton-NMR solvent acetone-d6 contains this atom, which is found in heavy water but not water. For 10 points, name this isotope of hydrogen whose nucleus contains one proton and one neutron.
ANSWER: **deuterium** [or **hydrogen-2** or **H-2** or **$^2$H**; accept **deuterium** oxide; prompt on hydrogen or heavy water or D2O]
<Karthik, Chemistry> [Ed. Lei]

8. After auctioning off property due to his deep debt, this character gives a tour of his old medical school, where his son finds a desk with the word "Foetus" etched onto it. For 10 points each:
[H] Name this character, called an "old artificer" by his son in reference to his surname. This character's friend Mike Flynn coaches his son in track at the Blackrock school.
ANSWER: Simon **Dedalus** [accept Stephen **Dedalus' father**]
[E] Simon Dedalus appears in a novel by this author. This author's self-exile from Ireland is mirrored by Stephen Dedalus at the end of his novel *A Portrait of the Artist as a Young Man*.
ANSWER: James **Joyce**
[M] In *A Portrait of the Artist as a Young Man*, Stephen's faith is reawakened in this scene, where a clergyman reminds him of the "triple sting" that afflicts the damned. Stephen attempts to join the priesthood as a result of this scene.
ANSWER: Father Arnall's hell **sermon** [accept any answer indicating the **sermon** from *A Portrait of the Artist as a Young Man*, do NOT accept or prompt on "Father Mapple's sermon"]
<Bowman, Long Fiction> [Ed. Leahy]

**9. This composer memorialized a deceased colleague with an A major "Remembrance" in a piano work that also includes a "Salute" to Niels Gade and a section depicting the Christmas figure "Knecht Ruprecht." A theme from that work by this composer formed the basis for his late *Ghost Variations*. A piano collection by this composer begins with the waltz-like lullaby (\*)** "Of Foreign Lands and Peoples" and includes the dreamy "Träumerei" ("TROW-mair-eye"). This composer imagined his doppelgangers Eusebius and Florestan in a piano collection that centers on the musical cryptogram "ASCH." For 10 points, name this German composer of *Kinderszenen* and *Album for the Young*, whose piece *Carnival* depicts people like his wife Clara Wieck.
ANSWER: **R**obert **Schumann** [accept **Schumann** after "Clara"; prompt on **Schumann** before "Clara"]
<Dantzler, Classical Music> [Ed. Strombeck]

9. This leader mandated that state employees wear badges inscribed with the words "Federation or Death." For 10 points each:
[H] Name this Governor of Buenos Aires province and leader of the Federales. This man operated a secret police known as the *Mazorca* and was overthrown after he lost the 1852 Battle of Caseros to Justo José de Urquiza.
ANSWER: Juan Manuel de **Rosas**
[M] Rosas fell during the Platine War, during which he was opposed by Argentine rebels allied with this monarch. This monarch later cooperated with Argentina during the War of the Triple Alliance against Paraguay.
ANSWER: Dom **Pedro II** [prompt on **Pedro** or Dom **Pedro**]
[E] After his defeat at the Battle of Caseros, Rosas went into exile in this European country. This country would later defeat Argentina in the Falklands War.
ANSWER: **United Kingdom** of Great Britain and Northern Ireland [accept **U.K.** or Great **Britain**]
<Alaro, World History> [Ed. Prabhakar]

**10. A story by this author ends with a serial rapist running out of the central location after being spanked with a brush. In a story by this author, a character hallucinates about a boy handing her marble-cake and steals a dime from a hunter who pointed a gun at her. That story ends with the protagonist requesting money for a paper-windmill. Mr. Whitaker takes a photograph of a character in a (\*)** kimono in a story by this author, that sees a character return home with her daughter Shirley T. In that story, the protagonist falls out of favor with Papa-Daddy after a series of lies told by her sister. This author created Phoenix Jackson, who buys medicine for her grandson, as well as a character who moves to the title location due to Stella-Rondo's behavior. For 10 points, name this Mississippian author of "A Worn Path," and "Why I Live at the P.O."
ANSWER: Eudora **Welty**
<Kala, Short Fiction/Other> [Ed. Leahy]

10. Answer some questions about the writings of the "weeping prophet" Jeremiah, for 10 points each.

[E] The Book of Jeremiah describes Nebuchadnezzar II's ("neh-buh-kah-NEZZ-err the second's") destruction of this holy building constructed by Solomon. The successor to this building was destroyed by the Romans during their Sack of Jerusalem.

ANSWER: First **Temple** of Jerusalem [or Solomon's **Temple**; do NOT accept or prompt on "Second Temple"]

[M] The Book of Jeremiah is read on Tisha B'Av, a holiday in which people perform *ta'anit*, which refers to this practice, to mourn the destruction of the Temples. Some devout Christians observe the severe "black" form of this practice.

ANSWER: **fast**ing [accept descriptions like "**not eating**"; accept **black fast**]

[H] A letter credited to Jeremiah addressed to the Diaspora Jews is contained in the Book of Baruch, whose namesake had this occupation. It's not a priest, but another person with this occupation titles a book that is often paired with Nehemiah ("nee-heh-MYE-uh").

ANSWER: **scribe**s (The unnamed scribe is Ezra.)

<Ashbrook, Religion> [Edited]

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**11. Fabre and Bechgaard salts are organic materials that exhibit this phenomenon at low temperatures. This phenomenon causes a specific heat jump at low temperatures due to a loss of phonon contribution. In this phenomenon, "del-squared of the B-field is equal to the B-field over lambda-sub-*L* squared," where "lambda-sub-*L*" measures the distance at which the B-field dissipates by a factor of "1 over *e*." Abrikosov discovered triangular lattices of (\*)** vortices in materials exhibiting this phenomenon. The London equations are part of a two-fluid model of this phenomenon. This phenomenon drives out an internal magnetic field in the Meissner effect. For 10 points, name this phenomenon in which materials have zero electrical resistance.

ANSWER: **superconductivity** [accept **type-I superconductivity** or **type-II superconductivity**; accept word forms like **superconductor** or **superconductive**]

<Karthik/Bowman, Physics> [Ed. Bowman]

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11. In 2001, two giant stone statues of the Buddha were destroyed in this country's Bamyan province. For 10 points each:

[E] Name this country where Greco-Bactrian sculptures of the Buddha at the archaeological site of Hadda are believed to have been destroyed by the Taliban in its ongoing civil war.

ANSWER: Islamic Republic of **Afghanistan**

[M] The world's largest stone Buddha statue, the Leshan Giant Buddha, was built during the Tang Dynasty in this Chinese province. This province's city of Chengdu is home to the Wenshu Monastery, also built in the Tang period.

ANSWER: **Sichuan** [accept **Szechwan** or **Szechuan**]

[H] The Buddha Dordenma statue is located in this country's capital city. One iconic monastery in this country is located in its western Paro valley.

ANSWER: Kingdom of **Bhutan**

<Lau, Geography> [Ed. Prabhakar]

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**12. One military campaign of this man was recorded on the side of a mountain in the Karsakpay Inscription. Henry III of Castile sent the diplomat Ruy Gonzalo de Clavijo ("klah-VEE-ho") to the court of this man. This man's forces successfully defeated the Knights Hospitaller during his Siege of Smyrna. This man charged camels carrying bales of burning hay to scare the elephants of Mahmud Khan's army. This man destroyed Sarai after winning the Battle of (\*)** Terek River against his former ally Tokhtamysh. The Ottoman Interregnum began after this man captured Bayezid I at the Battle of Ankara. After sacking Baghdad, this man allegedly ordered the construction of 120 towers of human skulls. For 10 points, name this Central Asian warlord who walked with a limp.

ANSWER: **Timur** the Lame [or **Tamerlane**]

<Karthik, World History> [Ed. Prabhakar]

12. After the assassination of French President Sadi Carnot in 1894, this art critic was arrested in what became known as the Trial of the Thirty. For 10 points each:
[H] Name this critic. In a profile portrait set against a colorful swirling background, he is depicted with his distinctive goatee as he holds out a white flower.
ANSWER: Félix **Fénéon**
[E] *Portrait of Félix Fénéon* was created by Paul Signac using this painting style. This style, which fills the canvas with dots, was used to create Georges Seurat's massive *Sunday Afternoon on the Island of La Grande Jatte*.
ANSWER: **pointillism** [accept word forms like **pointillist**]
[M] This other painting by Seurat depicts several men along a bank of the Seine River, including a seated figure wearing red swimming trunks and one in the water with a red cap.
ANSWER: ***Bathers at Asnières*** [or *Une **Baignade, Asnières**]
<Dantzler, Painting & Sculpture> [Ed. Strombeck]

13. **This state's Constitutional Amendment A, approved in 2020, would have legalized marijuana, but was struck down by a judge for being too far-reaching. This state's governor controversially used COVID-19 relief funds to produce tourism ads promoting it. That governor of this state also faced criticism after attempting to remove checkpoints set up at the entrances to this state's (*)** reservations. A COVID spike occurred after this state's Sturgis Motorcycle festival. Another summer event in this state sparked concerns over the large amount of fireworks that would be set off over the fire-prone Black Hills forest. For 10 points, name this US state governed by Kristi Noem, where Donald Trump held a Fourth of July celebration at Mount Rushmore.
ANSWER: **South Dakota** [or **S.D.**]
<Strombeck, Current Events> [Ed. Nageswaran]

13. Answer the following about Tanabe–Sugano diagrams, for 10 points each.
[E] Tanabe–Sugano diagrams are used in a "field theory" of these entities; that model is used to determine the colors of transition metal complexes. These entities are solids whose atoms are arranged in periodic lattices.
ANSWER: **crystal**s
[M] To decide which of the ten Tanabe–Sugano diagrams to use, one must first find the configuration of electrons in these orbitals. These orbitals can be split into "$t$ sub $2g$" and "$e$ sub $g$" orbitals and have indices including $z^2$ and $x^2$-$y^2$ ["x-squared minus y-squared"].
ANSWER: **d** orbitals [prompt on atomic **orbital**s; do NOT accept or prompt on "molecular orbitals"]
[H] To obtain the ligand field splitting energy from a Tanabe–Sugano diagram, this value must first be obtained. This value, obtained through UV/Vis spectroscopy, can be predicted with the Woodward–Fieser rules.
ANSWER: **lambda-max** [accept **wavelength** of **maximum absorption** or equivalents; prompt on partial answer]
<Karthik, Chemistry> [Ed. Lei]

14. **In this poem, a location is called "An appetite; a feeling and a love, / That had no need of a remoter charm." The speaker of this poem notes "glad animal movements" in a parenthetical about the "coarser pleasures of [his] boyish days." This poem's speaker imagines a cave where "by his fire / The Hermit sits alone." The speaker of this poem rests under a "dark sycamore" and sees "steep and lofty cliffs" in a "green pastoral landscape." In this poem, the mention of (*)** "My dear, dear Sister!" refers to the poet's sister Dorothy. The speaker of this poem recalls that "Five years have past" since he visited the title location. For 10 points, name this poem composed "a few miles above" the title location, written by William Wordsworth.
ANSWER: "Lines Composed a Few Miles above **Tintern Abbey**"
<Lei, Poetry> [Edited]

14. Hortensia led a group of wealthy Roman women in opposition to a tax imposed by this group. For 10 points each:
[M] Name this group that imposed a tax on the 1,400 richest women in Rome to fund an army that would later win the Battle of Philippi. The *Lex Titia* established this group that divided Roman territory in the Treaty of Brundisium.
ANSWER: **Second Triumvirate** [prompt on triumvirate]
[H] Among the women who joined Hortensia was a woman with this name, the mother of Mark Antony. Two other women with this name would later be exiled to Pandateria and Tremirus on charges of adultery.
ANSWER: **Julia** [accept **Julia** Antonia, **Julia** the Elder, **Julia** the Younger, or Vispania **Julia** Agrippina]
[E] Hortensia gave a speech in opposition to the tax at this location in Rome. Roman women sometimes attended the public games held in this location, the center of daily life in the city.
ANSWER: Roman **forum** [or **Forum** Romanum]
<Prabhakar, Other History> [Edited]

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15. J. L. Mackie created a hierarchy of omnipotence to counter answers to this issue in a paper titled for it "and Omnipotence." An essay responding to Pierre Bayle ("bale") split this issue into moral, physical, and metaphysical parts that are all necessarily true. The free will defense of Alvin Plantinga was developed as a response to this issue. David Hume's question "Is he willing...but not able?" is part of a restatement of this issue. The belief that we live in (*) "the best of all possible worlds" appears in a Gottfried Leibniz ("LYBE-nitz") paper attempting to resolve this issue. A theodicy ("thee-AW-dih-see") is an attempt at resolution of this issue. For 10 points, name this issue that asks why a benevolent God would allow bad to exist in the world.
ANSWER: problem of **evil** [or argument from **evil**; accept descriptions like "why does **evil** exist;" accept word forms for evil like **evilness**]
<Dantzler/Ashbrook, Philosophy> [Edited]

15. This poet wrote that "were 't not for the will of God alone / Old Moscow would have stood" in a poem about the Battle of Borodino. For 10 points each:
[H] Name this Romantic "Poet of the Caucasus." This author described "killers of freedom, genius, and glory" in a poem eulogizing his contemporary, "Death of the Poet."
ANSWER: Mikhail **Lermontov**
[E] Lermontov wrote "Death of the Poet" in memory of this other author, who alternated masculine and feminine stanzas in his verse novel *Eugene Onegin*.
ANSWER: Alexander **Pushkin**
[M] Lermontov describes his "role / to be an undiscovered wonder" in a poem exclaiming how "No, I'm Not" this other poet. This poet described idols "broke in the temple of Baal" in "The Destruction of Sennacherib."
ANSWER: Lord **Byron** [accept George **Gordon**, Lord Byron]
<Karthik, Poetry> [Ed. Leahy]

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16. In one novel by this author, the protagonist is presented with a preserved finger in a jar while in prison that inspires him to study and move into his son Charles's pet emporium. A character in another novel by this author is taught about horseracing by Ian Wardley-Fish after converting to Anglicanism. That character created by this author boards a ship after a coin flip and meets a woman with whom he plays late-night cards. This author was inspired by the Ern Malley hoax to write (*) *My Life as a Fake*. A shootout at Glenrowan occurs between police and men with armor at the end of another novel by this author. This author of *True History of the Kelly Gang* wrote a novel revolving around a bet on transporting a glass church across the Outback. For 10 points, name this Australian author of *Oscar and Lucinda*.
ANSWER: Peter (Philip) **Carey**
<Ashbrook, Long Fiction> [Edited]

16. Answer some questions about the philosophical methods employed by David Friedrich Strauss's *The Life of Jesus*, For 10 points each.
[M] Strauss argued that many of Jesus's miracles are actually myths using this method of introducing contradiction between two views. A different thinker described this method as finding a "synthesis" between a "thesis" and "antithesis."
ANSWER: **dialectic** method [or **dialectic**s; or the **dialectic**al method; prompt on <u>dialogue</u>]
[E] The dialectic method was heavily employed by this thinker and very brief teacher of Strauss. This German philosopher wrote *The Phenomenology of Spirit.*
ANSWER: Georg William Friedrich **Hegel**
[H] Strauss's Jesus was partially inspired by the lectures of Friedrich Schleiermacher ("SHLY-er-mock-er"), who is considered one of the fathers of this branch of philosophy that studies exegesis and other interpretations of texts.
ANSWER: **hermeneutics** ("her-muh-NYOO-tiks")
<Karthik, Philosophy> [Ed. Ashbrook]

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**17. The Byzantine historian Theophylact Simocatta chronicled this dynasty's rise to power. This dynasty's first emperor fought a battle on the Yangtze River using a fleet armed with 50-foot-long booms. This dynasty was the first to implement the Three Departments and Six Ministries. Liu Fang led this dynasty's forces during its successful invasion of the Champa kingdom. Thousands of this dynasty's soldiers drowned during the Battle of (*)** Salsu River, which was part of an ill-fated campaign against the kingdom of Goguryeo ("go-GUR-yo") initiated by this dynasty's second emperor Yangdi. This dynasty's founder Wen Di began the construction of the Grand Canal. For 10 points, name this short-lived Chinese dynasty which preceded the Tang.
ANSWER: **Sui** dynasty
<Lau, Other History> [Ed. Prabhakar]

17. Answer some questions about modern retellings of classical Greek myths, for 10 points each.
[E] Irish author John Banville's classically-leaning novels include *The Infinities*, which is narrated by this Greek messenger god.
ANSWER: **Hermes** [do NOT accept or prompt on "Mercury"]
[M] Twelve hanged maids interrupt the narrative of Penelope talking about her life in this author's novel *The Penelopiad*. This author wrote a different novel about the sisters Laura and Iris Chase titled *The Blind Assassin*.
ANSWER: Margaret Eleanor **Atwood**
[H] The title sorceress is banished from the house of Helios to the island of Aeaea ("ee-EE-uh") in *Circe*, the most recent novel by this author. This author's other novel *The Song of Achilles* is about the love affair between Patroclus and Achilles.
ANSWER: Madeline **Miller**
<Ashbrook, Short Fiction/Other> [Ed. Leahy]

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**18. The `$set` ("dollar sign set") operator updates fields in a framework for handling these systems that uses documents formatted similarly to JSON files. The CAP theorem refers to the tradeoff between consistency and accessibility in these systems. When these systems apply their schema upon access instead of insertion, they are called schema-on-read. Hadoop uses the MapReduce algorithm to process these systems within parallel chunks. The (*)** ACID properties guarantee reliability in these structures. Mongo is a program used to handle these systems. The `SELECT` command is used to fetch information from the relational type of these systems, which use SQL for queries. For 10 points, name these large tables that store data.
ANSWER: **database**s [accept **relational databases** or **NoSQL databases**; prompt on distributed <u>data store</u>]
<Bowman, Computer Science> [Edited]

18. This speech acknowledges that the "growth of national consciousness is a political fact." For 10 points each:
[H] Name this 1960 speech given by a British prime minister in Cape Town where he declared that he would not stop decolonization of Britain's African colonies.
ANSWER: "**Wind of Change**" speech [accept "**Winds of Change**" speech; accept anything describing Harold **MacMillan's speech** to the **South African parliament**]
[M] The "Wind of Change" speech was given by Harold MacMillan, the successor to this other British prime minister. MacMillan became prime minister after this man resigned in the wake of the Suez Crisis.
ANSWER: Robert Anthony **Eden**
[E] One of the strongest critics of MacMillan's speech was South African prime minister Hendrik Verwoerd ("FUHR-voort"), the architect of this racial policy in South Africa. This policy was ended by F. W. de Klerk in the early 1990s.
ANSWER: **apartheid**
<Prabhakar, British/European History> [Edited]

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**19. An animal known as the October Horse was sacrificed as part of a horse race in this religion. The head of the household walks around barefoot and throws beans over their shoulder to ward off spirits in a celebration in this religion. Three prophetic books worshipped in this religion were acquired after their original owner burned six other books. Priests in this religion that would dance around in public were known as (\*)** "jumping" priests. Followers of this religion sacrifice to household gods known as Lares ("LARR-ays"). Many soldiers converted from this religion to a cult centered around the ritual of tauroctony ("tarr-OCK-tuh-nee"), or bull sacrifice. Six women guarded a sacred fire of this religion that was rekindled every year on the Kalends of March. For 10 points, name this ancient religion that worshipped gods like Jupiter.
ANSWER: **Roman** state religion [accept any answers indicating that it is the main religion of **Rome** or the **Roman Empire**]
<Ashbrook, Religion> [Edited]

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19. Name these defining characteristics of animal phyla. For 10 points each:
[E] Chordata is the only animal phylum that contains organisms that have one form of this structure throughout development. This bony structure is made up of vertebra and is preceded by the cartilaginous notochord.
ANSWER: **spine** [accept **backbone**; accept **spinal column**; prompt on vertebral column; do NOT accept or prompt on "spinal cord"]
[M] This entity surrounds the digestive system of chordates. Phyla that lack this entity, like flatworms, have mesodermal tissue to hold the gut in place, while phyla that have the "pseudo" form of this entity include *Nematoda*.
ANSWER: **coelom** ("see-lom") [prompt on body cavity]
[H] Chordata and Echinodermata are two major clades that belong to this superphylum. In these animals that exhibit radial cleavage of the blastula, the blastopore forms the anus during differentiation.
ANSWER: **deuterostome**s [accept **Deuterostomia**; do NOT accept or prompt on "deuterosome"]
<Valan, Biology> [Ed. Lei]

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**20. This art form was revived in the 1900s by Mungo Martin and his niece Ellen Neel, who was the first recorded woman to make these artworks. A red circle surrounds a face inside a rectangle in one of these artworks that is part of a collection at Stanley Park. These artworks have been classified into six basic types including "mortuary" and "welcome," as well as a ridiculing type called (\*)** "shame." Deep-cut examples of these artworks are often topped by a figure with beak and wings. These artworks often depict the mythical Thunderbird, as well as wolves and eagles. These outdoor artworks were usually built near Haida and Tlingit houses. For 10 points, name these indigenous artworks from the Pacfic Northwest that are carved from tree trunks.
ANSWER: **totem pole**s [or **gyáa'aang**; prompt on partial answers]
<Strombeck, Painting & Sculpture> [Edited]

20. Aztec mythology claims there were four of these domains before our current one. For 10 points each:
[E] Nanahuatzin ("nah-nah-WATT-tseen") sacrificed himself to become Tonatiuh ("tone-ah-TEE-you"), god of this celestial domain. The Aztecs would later claim Huitzilopochtli ("wee-tsih-loh-POCT-lee") was the god of this domain, contrasted with his sister Coyolxauhqui ("ko-yol-SHAO-kee"), the moon.
ANSWER: the **Sun**
[M] This god served as the third Sun until his wife Xochiquetzal ("sho-chee-KET-zal") was seduced by Tezcatlipoca. His Mayan equivalent was Chaac and along with Huitzilopochtli this god was worshipped at the Templo Mayor.
ANSWER: **Tlaloc**
[H] Tlaloc eventually married Chalchiuhtlicue ("chal-CHEWT-lee-kway"), who served as the fourth Sun. Chalchiuhtlicue presided over these events, one of which in Greek mythology resulted in Galanthis being turned into a weasel.
ANSWER: child**birth** [accept descriptive answers like **giving birth** or **having a child**]
<Prabhakar, Myth> [Ed. Groger]