

2022-23 Solon-Adjacent Novice Set (SANDS)

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Packet 4

1. **While visiting Utgard-Loki, this god is unable to lift a cat that is actually the Midgard Serpent in disguise. After one of his possessions is stolen, this god dresses as Freya for a fake wedding. The golden-haired Sif is the wife of this god, who is destined to kill and be killed by the (*) Midgard Serpent at Ragnarok. The hammer Mjolnir is wielded by, for 10 points, what Norse god of thunder?**

ANSWER: **Thor** <Mythology–Ganguli>

This poet declares “you must change your life” in “The Archaic Torso of Apollo.” For 10 points each:

[H] Name this poet, who wrote *The Duino Elegies*.

ANSWER: Rainer Maria **Rilke**

[E] Rilke wrote in this language, as did the Weimar classicist Goethe. This is the main language spoken in a country whose capital is Berlin.

ANSWER: **German**

[M] In the first *Duino Elegy*, Rilke claims every one of these beings are terror, and begins by asking “who, if I cried out, would hear me” among the orders of these beings. These heavenly beings attempt to overthrow God in another work.

ANSWER: **angels** [the unnamed novel is *The Revolt of the Angels*] <European Literature–Ganguli>

2. **These people served in the Varangian Guard of the Byzantine Empire. An “age” named for these people is generally said to have begun in 793 A.D. when a group of these people raided an English monastery in Lindisfarne. These people, who colonized Iceland and (*) Greenland, were the first Europeans to discover the Americas. For 10 points, name these Scandinavian warriors, who became seafaring raiders throughout medieval Europe.**

ANSWER: **Vikings** [accept **Viking** Age prompt on **Norsemen** and **Scandinavians** until mentioned] <European History–Rao>

Answer the following about headaches, for 10 points each:

[E] Some types of headaches are accompanied by sensitivity to sound and this other stimulus, emitted from sources like LEDs and fluorescent varieties.

ANSWER: **light**

[H] This condition results in severe headaches accompanied by light and sound sensitivity. People with this condition may present with an “aura” that signals its onset.

ANSWER: **migraine** headaches

[M] Other types of headaches can be caused by an inflammation of these four paranasal air cavities located in the skull.

ANSWER: **sinuses** [accept **sinusitis**] <Biology–Kodali>

3. **One form of this element comes in single-walled and multi-walled forms. This element can form fullerenes such as soccer-ball shaped buckyballs and cylindrical nanotubes. One allotrope of this element is used for (*) pencil lead, while another is the hardest substance in nature. Graphite and diamond are made of, for 10 points, what element which makes up all living things, with atomic number six and symbol C?**

ANSWER: **carbon** <Chemistry–Ganguli>

One of these people was usually designated to lead call-and-response style songs to synchronize their movements during routine nautical tasks. For 10 points each:

[E] Name these people who performed tasks like scrubbing the deck and hoisting the sails, while singing shanties.

ANSWER: **sailor** [accept **seamen** or **pirates**]

[H] The “Wellremen” shanty, repopularized by Nathan Evans in 2021, is about sailors in this industry awaiting the supplies from the titular merchants. Before kerosene, oil lamps were fueled by blubber from this industry.

ANSWER: **whaling** [accept **whaler**; prompt on **fishing** or **hunting**]

[M] One of the most popular mainstream shanties asks “What shall we do with a [sailor in this condition]?” and later says to “Put him in a long boat till he’s sober.”

ANSWER: **drunken** [accept **intoxicated** or **inebriated**] <Other Academic/Miscellaneous–Kapadia>

4. A general from this city used a double envelopment strategy to win the Battle of Cannae. Calls for the destruction of this city were frequently used to conclude speeches by Cato the Elder. A general from this city invaded Italy by crossing the (*) Alps with his war elephants. Hannibal Barca was a general from, for 10 points, what north African city that fought the Punic Wars with Rome?

ANSWER: **Carthage** <Ancient/Other History–Kapadia>

A lyric in this song states that “I’d get him to swap our places,” which reflects one character’s desire to switch places with her dead brother Billy. For 10 points each:

[H] Name this 1985 song by Kate Bush which allows Max Mayfield to escape Vecna's curse in an episode of a hit show, whose fourth season released in May of 2022.

ANSWER: **“Running up that Hill”** (A Deal With God)

[E] “Running up that Hill” was made popular again by this show. Millie Bobby Brown plays Eleven on this show, whose characters live in Hawkins, Indiana and fight monsters from the “Upside Down.”

ANSWER: ***Stranger Things***

[M] Vecna’s name was derived from this game, which Will plays with his friends before he disappears in season 1. Game masters run this RPG where players form parties to complete campaigns.

ANSWER: **Dungeons and Dragons** [accept **D&D**] <Popular Culture–Kodali>

5. The title character of this novel calls others “old sport” and is friends with a character who fixed the 1919 World Series, a gangster named Meyer Wolfsheim. After the death of his wife Myrtle, George Wilson kills the title character of this novel, who is fixated with a (*) “green light” on Daisy Buchanan’s dock. West Egg is the setting of this novel narrated by Nick Carraway. For 10 points, name this novel by F. Scott Fitzgerald.

ANSWER: *The **Great Gatsby*** <American Literature–Ganguli>

This man’s British contact, Major Andre, was executed after this man’s treason was discovered. For 10 points each:

[M] Name this traitorous Revolutionary War general, who attempted to surrender West Point to the British.

ANSWER: Benedict **Arnold**

[H] Earlier, Arnold played a crucial role in the American victory at this battle in upstate New York, whose result convinced the French to aid the Americans in the war.

ANSWER: Battle of **Saratoga**

[E] At the Battle of Saratoga, Arnold received his final in a series of injuries to this body part that gave his walk a permanent limp.

ANSWER: **leg** [prompt on **foot** with “What larger body part is foot part of?”] <American History–Kapadia>

6. **Prior to this period, participants in it marked their doors with goat's blood to avoid a plague that killed firstborn sons. Aaron created the golden calf during this period, where participants were forced to wander for forty years in the (*) Sinai Desert. At the start of this period, God parted the Red Sea, which caused the death of Pharaoh. For 10 points, name this period where Moses led the Israelites out of Egypt.**

ANSWER: the **Exodus** [accept **Israelites leaving Egypt** or **escaping the Pharaoh** or the **Israelites** wandering the Sinai **Desert** before mentioned] <Religion–Kodali>

A floating apple obscures the face of a man wearing a bowler hat in one painting from this movement. For 10 points each:

[H] Name this art movement, a Belgian member of whom created artworks such as *The Son of Man*.

ANSWER: **surrealism**

[M] *Son of Man* was created by this surrealist, who, in *The Treachery of Images*, declared “this is not a pipe”.

ANSWER: René **Magritte**

[E] Many Magritte paintings feature a background of this subject. Magritte's depictions of this subject were usually blue and often featured clouds.

ANSWER: the **sky** <Visual Fine Arts–Maiorana>

7. **Paintings of this type by Frida Kahlo include ones “with Cropped Hair” and “with Thorn Necklace and Hummingbird”. Norman Rockwell created a “triple” painting of this type. Vincent Van Gogh created one of these paintings in which his (*) bandaged ear is visible. These paintings became easier to create with the advent of mirrors. For 10 points, name this artistic genre in which a painter depicts himself.**

ANSWER: **self-portrait** [accept **Self-Portrait** with *Cropped Hair*; **Self-Portrait** with *Thorn Necklace and Hummingbird*; *Triple Self-Portrait*; prompt on **portrait**] <Visual Fine Arts–Maiorana>

One of these objects is said to make King Solomon “pluck at his beard from envy.” For 10 points each:

[H] Name this type of object that James Dillingham Young owns a gold variety of. That object is later sold for a set of hair combs.

ANSWER: **watch**

[M] Jim sells his watch to buy hair combs for Della in this short story by O. Henry.

ANSWER: “The **Gift of the Magi**”

[E] “The Gift of the Magi” sees Jim and Della buy each other gifts for this holiday. Santa Claus is associated with this holiday, which is celebrated on December 25th.

ANSWER: **Christmas** <American Literature–Ganguli>

8. **Dirichlet's theorem on these numbers extends Euclid's theorem, which says infinitely many numbers of this type exist. The largest found number of this type is also a Mersenne number. A method for finding these numbers involves using the sieve of Eratosthenes. (*) Every integer greater than one can be uniquely written as a factorization using these numbers. For 10 points, name this type of number which is only divisible by one and itself.**

ANSWER: **prime** numbers [accept **primes**] <Other Science–Chae>

The luxury cashmere brand NAADAM is named after an annual sports festival in this country. For 10 points each:
[M] Name this country that names a legendary “death worm” that supposedly inhabits the Gobi Desert, which this country shares with China.

ANSWER: **Mongolia**

[H] The Naadam festival includes contests in wrestling, archery, and racing using these animals. The undomesticated Przewalski type of this animal is endemic to Mongolia, where this animal is important in the daily life of nomads.

ANSWER: **horses**

[E] Most Mongolian nomads live in yurts, a type of this form of housing. Most campers in America sleep in this type of housing at night.

ANSWER: **tents** <Geography–Sareddy>

9. **The nationalization of one of these structures by Gamal Nasser caused a namesake 1956 crisis. China’s Sui dynasty completed a “Grand” one of these structures. Yellow fever afflicted workers who built one of these structures across the (*) Isthmus of Darien. Egypt controls the Suez example of these structures.** For 10 points, what kind of artificial waterway connects the Atlantic and Pacific Oceans in Panama?

ANSWER: **canal** [accept Suez **Canal** or Grand **Canal** or Panama **Canal**] <World History–Kapadia>

This man refused to recant his writings at the Diet of Worms. For 10 points each:

[M] Name this German theologian, who, angered by the Catholic Church’s use of indulgences, launched the Protestant Reformation by publishing his *Ninety-Five Theses*.

ANSWER: Martin **Luther**

[E] Luther objected to the saying about indulgences beginning “as soon as [one of these items] in the coffer rings.” In the Middle Ages, the cheapest of these circular items of currency were often made from copper.

ANSWER: **coins**

[H] The Church responded to the Protestant Reformation by holding this ecumenical council. This council condemned Protestant teachings and launched the Counter-Reformation.

ANSWER: Council of **Trent** <European History–Kapadia>

10. **This region is home to the American-operated McMurdo Station on its Ross Island. This region is separated from one continent's southern tip, Cape Horn, by the Drake Passage. The Adélie and emperor species of a certain (*) bird only live in this region. Penguins live on this continent, which is home to the South Pole.** For 10 points, name this least populous and coldest continent in the world.

ANSWER: **Antarctica** <Geography–Sareddy>

The brightest one of these objects in the night sky is Sirius. For 10 points each:

[E] The Sun is what type of object, which can be sorted into types like dwarf and giant?

ANSWER: **star**

[H] The brightest star in a constellation is often denoted with this letter. Sirius and Betelgeuse are stars that are both denoted with this letter.

ANSWER: **alpha** [prompt on a]

[M] While the Alpha star of this constellation is Betelgeuse, Rigel, its Beta star, often outshines it. A recognizable three star asterism is called its “belt.”

ANSWER: **Orion** [accept **Orion**’s Belt] <Other Science–Chae>

11. **In one opera by this composer, the title character sings his name several times in the aria “Largo al Factotum”. One opera by this composer sees a soldier shoot an apple off of Jemmy’s head. That opera’s overture contains a galloping “March of the Swiss Soldiers”. Count Almaviva and Rosina are married while (*) Figaro looks on in one opera by this composer. For 10 points, what Italian wrote music for operas such as *The Barber of Seville* and *William Tell*?**

ANSWER: Gioachino **Rossini** <Other Fine Arts–Maiorana>

The Balfour Declaration supported the creation of a “national home” for members of a certain religion, which became this country. For 10 points each:

[M] Name this country that was invaded by five Arab nations shortly after its creation in 1948.

ANSWER: **Israel**

[H] Theodor Herzl founded this movement in the late 19th Century to advocate for the establishment of a Jewish homeland. This movement was named after a word in the Bible that referred to the Land of Israel as a whole.

ANSWER: **Zionism** [or **Zionist** Movement; accept **Zion**]

[E] The land that became Israel was a territory with this name. A territory with this name claims Gaza and the West Bank in an ongoing conflict with Israel.

ANSWER: **Palestine** [accept Mandatory **Palestine**] <World History–Kapadia>

12. **These cells typically adopt biconcave disk shape in order to increase their surface area. These cells are the only cells in humans to lack nuclei. Glutamate to valine substitution causes these cells to take on a half-moon appearance in (*) sickle cell disease. These cells are destroyed after 120 days by the spleen. For 10 points, name these cells which transport oxygen from the lungs throughout the circulatory system.**

ANSWER: **red blood cells** [accept **RBC**] <Biology–Feldman>

This thinker defined one concept as “personality writ large” in her work *Patterns of Culture*. For 10 points each:

[H] Name this thinker and student of Franz Boas who analyzed the “shame” and “guilt” cultures of one country in her work *The Chrysanthemum and the Sword*.

ANSWER: Ruth **Benedict**

[E] Benedict’s work *The Chrysanthemum and the Sword* focused on this East Asian island country. Hiragana, katakana, and kanji are all scripts used to write this country’s main language.

ANSWER: **Japan**

[M] Benedict and Boas were both scholars in this discipline, which is the scientific study of human societies and cultures.

ANSWER: **anthropology** <Social Science–Sareddy>

13. **In one story by this author, the ghosts of Henry Hudson’s crew play ninepins. That story by this author is set in the Catskills Mountains. In another story by this author, Brom Bones marries Katrina Van Tassel after one character disappears. In that story by this author, (*) Ichabod Crane meets the Headless Horseman. For 10 points, name this author of “Rip Van Winkle” and “The Legend of Sleepy Hollow.”**

ANSWER: Washington **Irving** <American Literature–Ganguli>

When in thermal equilibrium, these objects emit their namesake radiation. For 10 points each:

[H] Name these objects that absorb all incident electromagnetic radiation.

ANSWER: **black bodies** [accept **black body**]

[E] Since they do not reflect light, black bodies have an albedo value of this number. Dividing by this number on a calculator typically gives an error.

ANSWER: **zero**

[M] This man's namesake law describes the electromagnetic radiation emitted by black bodies. This scientist's namesake constant is symbolized h and equals 6.63×10^{-34} .

ANSWER: Max **Planck** <Physics–Chae>

14. The wife of a politician from this state ostracized John and Peggy Eaton during the Petticoat affair. This state attempted to prevent the so-called “Tariff of Abominations” from becoming law during the Nullification Crisis. Major Robert Anderson was forced to surrender after (*) Fort Sumter was shelled in this state. John C. Calhoun was a politician from, for 10 points, what state, the first to secede from the Union during the Civil War.

ANSWER: **South Carolina** <American History–Rao>

Long John Silver searches for Captain Kidd's treasure in this novel. For 10 points each:

[M] Name this novel by Robert Louis Stevenson about a voyage to the title location.

ANSWER: **Treasure Island**

[E] Long John Silver is one of these seafaring bandits in *Treasure Island*. Calico Jack and Blackbeard are two of these people who plunder at sea.

ANSWER: **pirates**

[H] This protagonist of *Treasure Island* serves as a cabin boy on the *Hispaniola*.

ANSWER: **Jim Hawkins** [accept either underlined portion] <British Literature–Ganguli>

15. This city's “Skytree” is the tallest structure in its country. Narita International Airport serves this city's greater metropolitan area, which includes Chiba and Yokohama. This capital city on the island of (*) Honshu is the largest city in the Kanto region. Studio Ghibli and many anime studios are based in this city. For 10 points, name this most populous city in the world, the capital of Japan.

ANSWER: **Tokyo** <Geography–Sareddy>

The beating of Marquette Fry sparked the Watts Riots in this city. For 10 points each:

[M] Name this city in southern California, where another set of race riots in 1992 spread to neighboring Inglewood, Compton, and Long Beach.

ANSWER: **Los Angeles**

[E] The beatings that sparked the Watts Riots and 1992 riots in Los Angeles were the use of excessive force by these law enforcement officials.

ANSWER: **police** officers [accept **cops**]

[H] The 1992 Los Angeles Riots were sparked by the beating of this man during a traffic stop. This man later asked “can we all get along?” in an effort to stop the riots.

ANSWER: Rodney **King** <American History–Kapadia>

16. The use of “spectral evidence” during this event was discussed in Cotton Mather's *The Wonders of the Invisible World*. For his refusal to plead during this event, Giles Corey was pressed to death with stones. The slave Tituba was the first to be targeted by this event following (*) accusations made by Betty Parris and Abigail Williams. For 10 points, magic practitioners were hunted in what series of trials in 17th century Massachusetts?

ANSWER: **Salem Witch** Trials <American History–Kapadia>

After Hydrogen and Helium, this element is the most abundant in the universe. For 10 points each:

[E] The second most abundant gas in Earth's atmosphere consists of two atoms of this element. This element has atomic number 8 and symbol O.

ANSWER: **Oxygen**

[M] Carbon dioxide, another abundant gas in Earth's atmosphere, is one of these substances that contribute to global warming. These substances trap solar radiation in Earth's atmosphere, contributing to their namesake effect.

ANSWER: **Greenhouse** gases

[H] This compound is another potent greenhouse gas, which is 25 times more effective at trapping heat in the atmosphere as carbon dioxide. It is the simplest alkane and the simplest hydrocarbon.

ANSWER: **Methane** <Chemistry–Chae>

17. **In this character's first soliloquy, he exclaims "frailty, thy name is woman." This character, who calls Yorick a "fellow of infinite jest," hires an acting troupe to perform *The Murder of Gonzago*. (*) Rosencrantz and Guildenstern are friends of this character, who tells Ophelia to "get thee to a nunnery." A soliloquy beginning "to be or not to be" is given by, for 10 points, what Prince of Denmark, who titles a Shakespeare tragedy?**

ANSWER: **Hamlet** <British Literature–Ganguli>

Some myths about the invention of one of these items credits Hermes with making it using a tortoise's shell and entrails. For 10 points each:

[M] Name these items, which were used in a contest where Midas was given donkey ears for ruling against one god. That god, the son of Leto, often used one of these items called a lyre.

ANSWER: musical **instrument**

[E] The lyre was a favorite instrument of this Greek god of music, the twin brother of Artemis.

ANSWER: **Apollo**

[H] The aforementioned musical contest was between Apollo and one of these beings. Another one of these hybrid beings, Marsyas, was flayed when he lost a music contest to Apollo because he couldn't play his flute upside down.

ANSWER: **satyr** [or **faun**] <Mythology–Kapadia>

18. **Information on these items are stolen by devices called "skimmers" and "shimmers." These items, which contain a 3-digit CVV, are made less susceptible to fraud by EMV chips scanned by "readers" when using these items. Traditionally, the (*) magnetic strips on these items are swiped when using them. Companies like Discover and American Express provide, for 10 points, what pieces of plastic are used in transactions?**

ANSWER: **credit cards** [or **debit cards**; prompt on **cards**] <Other Academic/Miscellaneous–Kapadia>

In a speech where he made car noises, this politician complained about how Daddy Pig holds a negative stereotype. For 10 points each:

[M] Name this politician, who resigned as prime minister of the U.K. in 2022. This politician is often referred to as "BoJo".

ANSWER: Boris **Johnson**

[E] During the 2019 General Election, Boris Johnson ran on the slogan "Get [this action] done." This term refers to Britain leaving the European Union in 2020.

ANSWER: **Brexit** [accept Get **Brexit** Done]

[H] This politician, who resigned over Brexit, attacked Johnson and the Partygate scandal in a speech after he announced his resignation. Johnson succeeded this woman as prime minister.

ANSWER: Theresa **May** <Current Events–Ganguli>

19. **This character often has to battle an apple tree named Whispy Woods. This character hails from Planet Popstar and first appeared in a game titled for his “Dream Land.” This character often faces (*) Waddle Dees, who serve this character’s hammer-wielding rival King Dedede. This character can expand like a balloon to fly. For 10 points, Meta Knight appears in Nintendo games titled for what “little pink hero,” who can inhale enemies?**
ANSWER: **Kirby** [accept **Kirby**’s Dream Land] <Popular Culture–Chae>

One of these figures named Ofglen hangs herself to avoid being tortured by the Eyes of God. For 10 points each:
[H] Name this group, which includes the Commander’s concubine Offred. These figures are considered essential to the survival of the human race in Gilead.

ANSWER: **handmaids**

[M] The handmaid Offred is the protagonist of *The Handmaid’s Tale*, a novel by this author. This author also wrote *The Testaments* and *Oryx and Crake*.

ANSWER: Margaret **Atwood**

[E] In *The Handmaid’s Tale*, Offred plays this forbidden game with the Commander. Players of this board game form words using lettered tiles.

ANSWER: **Scrabble** <World Literature–Ganguli>

20. **Boron-10 is used to control the rate of this process. Chicago Pile-1 is a facility capable of performing this process self-sustainingly. The amount of material needed to sustain this process is known as the (*) critical mass. This process uses energy from the collisions of neutrons and uranium-235 atoms to initiate a chain reaction. For 10 points, name this process which splits an atom into smaller parts to generate energy, contrasted with fusion.**
ANSWER: **fission** <Physics–Sivaram>

This piece was completed by Franz Süssmayr following its composer’s death. For 10 points each:

[H] Name this “mass for the dead” that was left unfinished by an Austrian composer.

ANSWER: **Requiem** in D minor [accept, but do not reveal Wolfgang Amadeus Mozart’s **Requiem** in D Minor]

[E] That Requiem was never completed by this former child prodigy, who is known for pieces such as *Eine Kleine Nachtmusik*.

ANSWER: Wolfgang Amadeus **Mozart**

[M] The double fugue in the *Requiem*’s “Kyrie” movement begins with this vocal part, the lowest in a traditional chorus.

ANSWER: **bass** <Auditory Fine Arts–Maiorana>