

# LONE STAR

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## Packet 3

*Only read this packet if the last tossup of the previous round was Rubens.*

### TOSSUP 1

**One character in this novel wears high-heeled boots to make up for his short stature. Two characters in this novel left the town of Weed after one was accused of rape after grabbing a woman’s dress. Characters in this novel include a stable buck whose name comes from the shape of his spine, Crooks, and a character who puts down an aging (\*) sheepdog, Carlson. A character in this novel accidentally kills Curley’s wife and has a dream of raising rabbits on a farm with his friend. George and Lennie feature in, for 10 points, what John Steinbeck novel set during the Great Depression?**

ANSWER: *Of Mice and Men* <Nair>

### BONUS

Subdisciplines of this field include the study of human evolution and research into cultural differences. For 10 points each:

[10] Name this field of study which takes its name from the Greek word for “human.” Researchers in this field may perform case studies by integrating themselves into so-called “primitive” societies.

ANSWER: anthropology

[10] In anthropology, the idea that a particular action or belief must be understood in terms of a particular cultural context is known as the “cultural” form of this belief.

ANSWER: relativism [accept word forms like relative or relativist]

[10] Anthropologists frequently study differences between cultures’ systems of familial relationships as they relate to societal organization. This term refers to those systems of social organization.

ANSWER: kinship <Condron>

### TOSSUP 2

**This team’s long-time owner was fined \$250,000 after making an obscene hand gesture at the Buffalo Bills sideline. This team drafted Jake Locker 8<sup>th</sup> overall in the 2011 NFL Draft, but he chose to retire just 4 years into his career. Frank Wychek’s lateral to Kevin Dyson sealed a playoff win for this team known as the (\*) Music City Miracle. In 2020, this team beat Lamar Jackson and the Ravens after beating Tom Brady’s Patriots 20-13 in the Wild Card Round. For 10 points, name this team whose quarterback is Ryan Tannehill and whose running back is Derrick Henry.**

ANSWER: Tennessee Titans [accept either underlined part; accept either underlined part of Houston Oilers before “Jake”] <Goodapaty>

## BONUS

In the preface to his main work, this author states that he will show “what lives, what morals there were; through which men and by what arts of the home and military the empire was begotten and extended.” For 10 points each:

[10] Name this author of *From the Founding of the City*, of whose 142 books only 35 have survived. The *Periochae* is a collection of summaries of this author’s remaining works.

ANSWER: Titus Livius [or Livy]

[10] This Renaissance author’s *Discourses on Livy* seeks to rectify the fact that “people do not properly understand the history books.” He also wrote *The Prince*, which presents the ideal ruler as harsh, self-serving, and scheming.

ANSWER: Niccolo Machiavelli

[10] Machiavelli wrote *The Prince* for a ruler of this city, seeking a job after a regime change made his position as a diplomat untenable. He witnessed and criticized its rule by Girolamo Savonarola.

ANSWER: Florence <Ma>

## TOSSUP 3

**In the *Argonautica*, this figure slays the Dryopes’ king Theiodamas after a conflict over a bull and is given Prince Hylas as a peace offering. This figure served Queen Omphale as a slave for a year while dressed as a woman. Philoctetes lit this hero’s funeral pyre, after which he was given this hero’s bow and (\*) poison-tipped arrows. This hero drove out the Stymphalian Birds, obtained the Golden Apples of the Hesperides, and slew the Nemean Lion while serving under Eurystheus. For ten points, name this Greek hero who undertook twelve labors.**

ANSWER: Heracles [accept Hercules; accept Alcaeus; accept Alcides] <Yoo>

## BONUS

In one story, characters act on the maxim “setting a rogue to catch a rogue” by hiring this title character to “ferret out...vermin brood from the colonies.” For 10 points each:

[10] Name this character, the possible owner of a Spanish pistol that inspires the narration of another story. In that other story, Old Scratch tells a character the whereabouts of this man’s hidden belongings.

ANSWER: Captain William Kidd [accept “Kidd the Pirate”]

[10] This author of “Kidd the Pirate” and “The Devil and Tom Walker” wrote about a man who misses the American Revolution while sleeping in the Catskills in his story “Rip van Winkle.”

ANSWER: Washington Irving [prompt on Geoffrey Crayon]

[10] Washington Irving also wrote a story about this schoolteacher who competes with Brom Bones for the hand of Katrina Van Tassel before he is scared away by a seemingly headless horseman.

ANSWER: Ichabod Crane [accept either underlined part] <Yoo>

## TOSSUP 4

**During a conflict named for this resource, the *HMS Andromeda* was rammed by the *Thor*. The Magna Carta called for the removal of this resource’s weir traps. Basque merchants found large amounts of this resource on the Grand Banks. The 1975 UNCLOS definition of Exclusive Economic Zones ranging 200 (\*) nautical miles was made to end this resource’s namesake “war.” That war was fought between Britain and Iceland over harvest rights in the North Sea. For 10 points, name this food often eaten with “chips” in Britain.**

ANSWER: fish [accept cod] <Goodapaty>

## BONUS

The 2019 Nobel Prize in Chemistry went to a group of scientists for the development of one of these devices. For 10 points each:

[10] Name these rechargeable devices commonly used in laptops and cell phones that operate using the lightest alkali metal.

ANSWER: **lithium-ion batteries** [prompt on batteries; do not accept or prompt on “lithium batteries”]

[10] A key step in the development of lithium-ion batteries involved creating an electrode in which lithium and graphite undergo this interaction. This process occurs when one molecule inserts itself into the layers of another, like ethidium bromide into DNA.

ANSWER: **intercalation**

[10] Graphite is an allotrope of this element, whose other allotropes include diamond and buckminsterfullerene. All organic compounds contain this element with atomic number 6.

ANSWER: **carbon** [or C] <Pamurthy>

## TOSSUP 5

A “triangle” named for these structures’ components includes Raja Ampat. Dynamite “blasts” used in food production damage these structures. These structures sometimes made with old tires are chemically similar to karst landscapes, letting blue holes form in both. When a central volcano subsides, (\*) fringing ones of these structures turn into atolls. Bleaching has devastated the longest of these ecosystems, the Great Barrier one in Australia. For 10 points, name these coastal marine ecosystems made of hard skeletons of namesake animals.

ANSWER: coral **reefs** [prompt on coral by asking “what structures do coral form?”] <Ma>

## BONUS

In one work by this writer, Amina is struck by a car while returning from the Al-Hussein Mosque. For ten points each:

[10] Name this Arabic-language author of *Palace Walk* who also told Said Mahran’s revenge story in his novel *The Thief and the Dogs*.

ANSWER: Naguib **Mahfouz**

[10] *Palace Walk*, along with its sequels *Palace of Desire* and *Sugar Street*, is part of Mahfouz’s *Cairo Trilogy* set in this North African country.

ANSWER: **Egypt**

[10] Mahfouz received much contempt following the publication of this controversial novel with three major characters that represent Moses, Jesus, and Mohammad.

ANSWER: **Children of Gebelawi** <Nair>

## TOSSUP 6

Two versions of this quantity are interconverted by multiplying by RT to the power delta-n. The natural log of this quantity appears on the y-axis of a van’t Hoff plot. When calculating this quantity, pure solids and liquids are ignored. This quantity is compared to the reaction quotient to see how a reaction will respond via (\*) Le Chatelier’s Principle. This quantity describes a state in which the forward and reverse rates are equal. For 10 points, name this constant calculated as concentrations of products over reactants, symbolized uppercase K.

ANSWER: **equilibrium constant** [prompt on K, K-sub-p, or K-sub-c; do not accept or prompt on “equilibrium” at any point] <Tagtmeier>

## BONUS

This man's lieutenant Willem van Ruytenburch is depicted to his right in one painting. For 10 points each:

[10] Name this shooting company captain. This man wears a red sash and extends his hand towards the viewer as the central figure in *The Night Watch*.

ANSWER: Frans Banning **Cocq**

[10] This Dutch Renaissance artist painted *The Night Watch*. Other works by this artist include *Storm on the Sea of Galilee* and *Belshazzar's Feast*.

ANSWER: **Rembrandt** Harmenszoon **van Rijn** [accept either underlined portion]

[10] This other painting by Rembrandt includes a faint poster from the year 1632 in the background. This painting depicts Aris Kindt surrounded by a circle of onlookers of the central lecture.

ANSWER: *The **Anatomy Lesson** of Dr. Nicolaes Tulp* <Pamurthy>

## TOSSUP 7

**In a novel by this author, the protagonist dreams that a songbird in a golden cage dies and he throws it away. This author included Jungian symbolism in a novel featuring Alfons Beck and the organist Pistorius, who become spiritual mentors for Emil Sinclair. In another novel by this author, the title lover of (\*) Kamala is told to "listen to the river" by the ferryman Vasudeva and finally achieves enlightenment. For 10 points, name this German-language author of *Demian* and *Siddhartha*.**

ANSWER: Hermann **Hesse** <Yoo>

## BONUS

Newer analysis suggests that this politician's line, "This meeting can do nothing more to save the country," was not a signal. For 10 points each:

[10] Name the speaker of that line at the Old South Meeting House in Boston on December 6, 1773, after which "Mohawks" in disguise began leaving the church. This man also founded the Sons of Liberty.

ANSWER: **Samuel Adams** [prompt on **Adams**]

[10] Those "Mohawks" went to Boston Harbor to destroy a certain good on the *Dartmouth*, *Eleanor*, and *Beaver* in an event known by this name. This event was carried out in protest against an Act that gave the East India Company a monopoly on its namesake goods.

ANSWER: Boston **Tea Party**

[10] The Boston Tea Party occurred after a proclamation by this governor that the ships could not leave the harbor. Benjamin Franklin had previously leaked letters written by this figure about denying colonists full British rights.

ANSWER: Thomas **Hutchinson** <Ma>

## TOSSUP 8

**In 1941, this country's leader had tacit support to usurp Winston Churchill while he served in the War Cabinet. That man was this country's longest-serving leader and was replaced by John Curtin. One leader of this country, Harold Holt, went missing in 1967 while swimming in the sea and acquired his position after Robert (\*) Menzies's ("MING-us's") retirement. After beating the Liberal Party's Tony Abbott, Malcolm Trumbull led this country until 2018. For 10 points, name this country currently led by Prime Minister Scott Morrison from Canberra.**

ANSWER: Commonwealth of **Australia** <Rube>

## BONUS

*Note to moderator: Do not verbally indicate the presence of the dashes in the quotes of this bonus.*

After “a Plank in Reason broke” in this poem, its speaker “dropped down, and down – / and hit a World, at every plunge, / and Finished knowing – then –.” For 10 points each:

[10] Name this poem that opens by describing “Mourners to and fro” that “kept treading – treading – till it seemed / that Sense was breaking through –.”

ANSWER: “**I felt a Funeral, in my Brain**”

[10] This author of “I felt a Funeral, in my Brain” also penned a poem about a carriage containing Immortality and Death, “Because I could not stop for Death.” This “Belle of Amherst” also wrote “I’m Nobody! Who are you?”

ANSWER: Emily Elizabeth **Dickinson**

[10] This unusual punctuation mark ends many lines of Dickinson’s poems, appearing after each of the lines “Because I could not stop for Death – / he kindly stopped for me –.”

ANSWER: **dashes** [accept em or en **dashes**; accept **hyphens**] <Nair>

## TOSSUP 9

**When alkali metals are dissolved in water, they can undergo an explosion named for this scientist. This scientist names an alternative term for Rutherford scattering and created an empirical model of dry friction. This scientist’s namesake constant is equal to one over the quantity “vacuum permittivity times four pi.” That constant is used in an (\*) inverse-square law named for him that finds the electrostatic force between two point charges. For 10 points, name this French scientist who names the SI unit of charge, symbolized C.**

ANSWER: Charles-Agustin de **Coulomb** <Pamurthy>

## BONUS

Members of this phylum filter water with valve-like madreporites, integral parts of their water vascular system. For 10 points each:

[10] Name this invertebrate phylum. Animals in this phylum are born with bilateral symmetry but develop five-fold radial symmetry in adulthood and use tube feet to move.

ANSWER: **echinodermata**

[10] Echinoderms, along with chordates, belong to this group of animals contrasted with protostomes. In the eight-cell stage of embryonic development, animals of this group have radial cleavage.

ANSWER: **deuterostomes**

[10] The first cavity developed in deuterostomes is this opening, as opposed to the mouth in protostomes. In the human digestive system, this opening follows the rectum and is the expulsion point of feces.

ANSWER: **anus** [do not accept putative synonyms] <Shyam>

## TOSSUP 10

**A character in this film scares a boy by putting an orange peel in his mouth and, shortly after, suffers a heart attack in a garden. In this film, the sound of a subway train signifies a character’s decision to kill Sollozzo in Louis [sic] Restaurant. In this film’s final scene, the new title character shuts his office door on (\*) Kay Adams. Earlier in this film, a director’s racehorse is decapitated as “an offer he can’t refuse” from Marlon Brando’s character, Don Vito. For 10 points, Al Pacino stars in what Francis Coppola film about the Corleone mafia family?**

ANSWER: The **Godfather** Part 1 [do not accept “Part 2” or “Part 3”] <Vasilyev>

## BONUS

Answer the following about former world leader Alberto Fujimori. For 10 points each:

[10] Fujimori led this country from 1990-2000 until he fled the country on corruption charges. He first rose to power in a surprising landslide victory in 1990 over Mario Vargas Llosa (“YO-sa”).

ANSWER: Republic of **Peru**

[10] Fujimori was able to suppress this Marxist insurgency group during his time as president. This group burned ballot boxes in the Chuschi and Ayacucho regions during a guerilla campaign.

ANSWER: **Shining Path** [or **Sendero Luminoso**]

[10] Alberto Fujimori fled to this home country of his family after Peru pressed charges. This country surrendered to the US on V-J Day following the atomic bombings of Hiroshima and Nagasaki.

ANSWER: **Japan** [or **Nihon**-koku or **Nippon**-koku] <Rubel>

## TOSSUP 11

**This mathematician names a value equal to the integral of the Gaussian curvature with respect to area divided by 2 pi. Along with Euclid, this man names a theorem relating every perfect number and Mersenne prime. For all convex polyhedra, his namesake (\*) “characteristic” is equal to two. This man’s identity sets his namesake number raised to the power of quantity “i times pi” equal to negative 1. He pioneered graph theory by solving the Seven Bridges of Konigsberg problem. For 10 points, name this mathematician whose namesake number is represented  $e$ .**

ANSWER: Leonhard **Euler** <Shyam>

## BONUS

For 10 points each, name these countries by their coronavirus responses.

[10] The first case of COVID-19 in this country was in Qom (“GOHM”). In early March 2020, this country’s deputy health minister, Iraj Harirchi (“EE-rahj ha-REER-she”), appeared on state TV denying the disease’s severity while showing symptoms of it.

ANSWER: **Iran**

[10] Despite a national lockdown, Dominic Cummings, the special advisor to this nation’s prime minister, Boris Johnson, drove over 250 miles from London to his parents’ house in Durham.

ANSWER: **United Kingdom** [accept Great **Britain**; do not accept or prompt on “England,” “Scotland,” “Wales,” or “Northern Ireland”]

[10] This country’s medical outreach program, led from the Central Unit of Cooperation, has provided doctors and other COVID-related support to countries like Italy and South Africa.

ANSWER: **Cuba** <Patison>

## TOSSUP 12

**This man told John Dahlinger, a rumored illegitimate son, that he “invented the modern age.” This man chartered the Peace Ship to try to end World War I. Extensive commentary on *The Protocols of the Elders of Zion*, an anti-semitic forgery, was printed in this man’s (\*) personal newspaper, the *Dearborn Independent*. This man sold 16.5 million of a product that was “any color, so long as it is black” until discontinuing it in 1927. For 10 points, name this inventor of the Model T, whose namesake automobile company is based in Detroit.**

ANSWER: Henry **Ford** <Goodapaty>

## BONUS

The second composition of this name features “Solveig’s Song” and an “Arabian Dance.” For 10 points each:

[10] Give this common name of two suites. The theme of “In the Hall of the Mountain King” is first played in a low register by cellos, basses, and bassoons in the first suite of this name.

ANSWER: Peer Gynt

[10] The *Peer Gynt Suites* were written by this Norwegian composer. This composer also wrote a Piano Concerto in A minor that begins with a timpani roll and a downward chordal flourish.

ANSWER: Edvard Grieg

[10] The first Peer Gynt Suite opens with this E major piece that depicts a sunrise. This piece’s opening theme is played by solo flute.

ANSWER: Morning Mood <Vasilyev>

## TOSSUP 13

**In this character’s first scene, this character advises “only look up clear; / to alter favour ever is to fear.” In another scene, this character tells another to “screw your courage to the sticking place.” A doctor and a gentlewoman observe this character’s cries that “all the perfumes of Arabia will not sweeten this little hand” as (\*) she sleepwalks. Earlier, this character encourages her husband to become the “king that shalt be,” as foretold by three witches. For 10 points, name this person who becomes queen of Scotland in a Shakespeare tragedy.**

ANSWER: Lady Macbeth [accept Macbeth’s wife or logical equivalents like Macbeth’s spouse; do not accept or prompt on just “Macbeth”] <Yoo>

## BONUS

Music historians have argued that this band's primary influences were Elvis Presley and Bill Haley & His Comets. For 10 points each:

[10] Name this Liverpoolian band behind the songs “Help!” and “Hey Jude.” One of this band’s members, John Lennon, was murdered leaving his Manhattan apartment by Mark David Chapman.

ANSWER: The Beatles

[10] This artist calls his song “Scenes from an Italian Restaurant” a take on side 2 of The Beatles’ *Abbey Road*. His song “We Didn’t Start the Fire” was sung over 150 times as part of his monthly concert series at Madison Square Garden.

ANSWER: Billy Joel

[10] This Canadian folk singer says she used to play The Beatles’ album *Rubber Soul* on repeat. Her song “Big Yellow Taxi” takes melodic inspiration from the song “Norwegian Wood” from that album.

ANSWER: Joni Mitchell <Patison>

## TOSSUP 14

**The Holy Dexter was the hand of a ruler of this kingdom who also names a crown with a crooked cross worn by all his successors. This kingdom later employed the Black Army of Mathias Corvinus. A ruler of the Arpad Dynasty began this kingdom after its people lost the Battle of Lechfeld to Otto the Great; that ruler was (\*) Saint Stephen. This kingdom became Hapsburg after a decisive loss to Suleiman the Magnificent at Mohacs (“MO-hach”). For 10 points, name this kingdom founded by the Magyars and governed from Budapest.**

ANSWER: Kingdom of Hungary <Goodapaty>

## BONUS

In the “Tale of Two Brothers,” a figure who shares a name with this god attacked his brother Bata after being tricked by his dishonest wife, but Bata survived that attack and fled into the Valley of the Acacia. For 10 points each:

[10] Name this Egyptian god of death and mummification. This god is responsible for weighing the hearts of the dead against the Feather of Truth.

ANSWER: Anubis [or Anpu or Inpu]

[10] While in the Valley of the Acacia, the gods made a wife for Bata, but that wife leaves him to become the Great Royal Wife of a man in this royal position. These rulers of ancient Egypt were believed to be descended from gods.

ANSWER: Pharaoh

[10] When the gods formed a wife for Bata, seven daughters that share their name with this goddess decreed that the wife will die a “sharp” death. This Egyptian goddess of love also served as a sky goddess.

ANSWER: Hathor <Condron>

## TOSSUP 15

**This thing’s namesake “illusion” occurs when agents make decisions based on nominal quantities instead of their relative and real forms. Gresham’s Law states that the bad version of this thing drives out the good version. Friedrich Hayek claimed that since only nominal variables are affected by changes in the quantity of this thing, it is (\*) neutral in the long term. The primary roles of this thing are to act as a unit of account, store of value, and medium of exchange. For 10 points, name this thing that is used to purchase goods and services.**

ANSWER: money [accept prices before “Gresham’s” is read; do not accept or prompt on “currency”] <Goodapaty>

## BONUS

The second side of this album features the song “Flamenco Sketches.” For 10 points each:

[10] Name this modal jazz album that opens with the song “So What” and was recorded with an ensemble that included Paul Chambers and John Coltrane.

ANSWER: Kind of Blue

[10] This jazz trumpeter composed *Kind of Blue*, often called the best jazz record ever. He recorded it with his namesake First Great Quintet, which became a sextet with the addition of Cannonball Adderley.

ANSWER: Miles Dewey Davis III

[10] This pianist played in the Davis sextet and later recorded the solo album *Conversations with Myself*. His work in many Trios included the album *Waltz for Debby*.

ANSWER: Bill Evans <Vasilyev>

## TOSSUP 16

**This artist depicted a man painting a standing nude into thin air in *Attempting the Impossible*. A man with a club and another with a net ambush a man looking into a gramophone in this artist’s *The Menaced Assassin*. This artist’s *The Human Condition* shows a painting perfectly aligned with the view from a (\*) window. This artist’s trademark bowler hat is worn by a man whose face is obscured by a green apple in *Son of Man*. For 10 points, name this surrealist artist who wrote “this is not a pipe” in *The Treachery of Images*.**

Answer: Rene Magritte <Pamurthy>



## BONUS

Harmonographs use these devices to create geometric drawings. For 10 points each:

[10] Name these simple harmonic oscillators. Huygens popularized the use of these devices consisting of a weight suspended from a pivot that swings freely in grandfather clocks.

ANSWER: pendulum

[10] Double pendulums exhibit this kind of motion. This type of random motion is characterized by extreme sensitivity to initial conditions and cannot be predicted by mathematical models.

ANSWER: chaotic motion [or chaos]

[10] When describing the motion of pendulums, this simplification can be used to solve the resulting differential equation. This approximation truncates the Taylor series for trigonometric functions.

ANSWER: small-angle approximation [accept paraxial approximation] <Pamurthy>

## TOSSUP 17

**One of this religion's seven Good Creations is known as *Atash*, which has *Bahram*, *Adaran*, and *Dadagh* grades. A heresy among members of this religion was based on a personification of time named *Zurvan*. This religion includes six Bounteous Immortals known as the (\*) Amesha Spentas. In this religion, demons called *daevas* are led by Angra Mainyu, who is opposed by the benevolent Ahura Mazda. For 10 points, name this early monotheistic religion with roots in ancient Persia.**

ANSWER: Zoroastrianism [or Zarathustrism or Mazdayasna or Magianism; accept Mazdaism before "Mazda"] <Condron>

## BONUS

This mountain range runs from the islands of Novaya Zemlya in the north to western Kazakhstan in the south. For 10 Points each,

[10] Name this mountain range that serves as the conventional boundary between the continents of Europe and Asia. Its highest peak is Mount Narodnaya.

ANSWER: Ural Mountains

[10] The majority of the Ural Mountains lie in this country, whose eastern half includes Siberia and the Kamchatka Peninsula. It is the largest country in the world.

ANSWER: Russian Federation

[10] This river is the westernmost of the three great Siberian Rivers and flows into the Kara Sea just east of the Urals.

ANSWER: Ob River [accept Ob-Irtys River] <Rubel>

## TOSSUP 18

**An extreme version of this technique called *martellato* is denoted by an upside-down V over a note. Cross-rhythms contain multiple distinct patterns of this technique at once. In 4/4, subtle examples of this technique occur on beats 1 and 3, the "on" beats. This technique done on a weak beat is called (\*) syncopation. This articulation is performed on a sforzando mark, abbreviated sfz. Notated with a "greater than sign" under a note, for 10 points, name this articulation in which a performer emphasizes a note by playing it more strongly.**

ANSWER: stress accent [accept marcato; prompt on descriptions of playing loudly or emphasizing a note before mention by asking "what is the name for that?"] <Ma>

## BONUS

One member of this family signed the Simla agreement and nationalized the steel and chemical industries of his country. For 10 points each:

[10] Name this political family. Another member of this family was the first female prime minister of a Muslim majority country, went into exile after being accused of corruption, and was assassinated in 2007.

ANSWER: **Bhutto** family

[10] The Bhuttos were prominent political leaders in this country. Benazir Bhutto served as an inspiration to Malala Yousafzai, an activist from this country that is situated between Afghanistan and India.

ANSWER: Islamic Republic of **Pakistan**

[10] Zulfikar Ali Bhutto was caught using Pakistani troops to infiltrate this disputed border region in Operation Gibraltar, leading to the second Indo-Pakistani War.

ANSWER: Jammu and **Kashmir** <Nair>

## TOSSUP 19

**One work by this poet titled for a line in *King Lear* begins with a description of a “hoary cripple, with malicious eye” who guides the speaker to the title structure. The speaker of another of this man’s poems imagines “the bough of cherries some officious fool / broke for” the title figure. This poet of “Childe Roland to the Dark Tower Came” wrote a poem about a (\*) gift of a “nine-hundred-years-old name” given to the title figure, who has a heart “too soon made glad.” Fra Pandolf paints the title figure of, for 10 points, what English poet’s “My Last Duchess”?**

ANSWER: **Robert Browning** [prompt on **Browning**; do not accept or prompt on “Elizabeth Browning”] (The second poem quoted is “Andrea del Sarto.”) <Yoo>

## BONUS

These objects can be “shepherded” into place by certain objects near them. For 10 points each:

[10] Name these objects, one example of which is bounded by the Encke Gap. These objects contain ice if beyond the frost line and only dust otherwise.

ANSWER: planetary **rings** [accept but do not otherwise reveal **rings** of Saturn]

[10] The most prominent planetary rings in the Solar System are around this planet and were first identified as rings by Christian Huygens. This planet, Jupiter, Uranus, and Neptune make up the outer planets.

ANSWER: **Saturn**

[10] Huygens also discovered this largest moon of Saturn, the only moon in the Solar System known to have stable liquid bodies and a substantial atmosphere.

ANSWER: **Titan** <Ma>

## TOSSUP 20

**This disease can be treated with continuous subcutaneous apomorphine infusion or stimulation of the GPI. This disease begins in the anterior olfactory nucleus in the first Braak stage. In this disease, alpha-synuclein aggregates into Lewy bodies in the pars compacta of the substantia nigra. A shuffling gait and cogwheeling are (\*) signs of this disease. Levodopa treats this disease, which results from dopamine deficiency. For 10 points, name this “shaking palsy” named for a British scientist, characterized by rigidity and tremors.**

ANSWER: **Parkinson**’s disease <Shyam>

BONUS

The protagonist of this novel experiences a religious transformation on the “threshing floor” of his family’s church in Harlem. For 10 points each:

[10] Name this novel set on the fourteenth birthday of John Grimes. It revisits various members of his family, including his stepfather, Gabriel.

ANSWER: **Go Tell It On The Mountain**

[10] *Go Tell It On The Mountain* was written by this African-American author and civil rights advocate. He included the essays “My Dungeon Shook” and “Down at the Cross” in his book *The Fire Next Time*.

ANSWER: James Arthur **Baldwin**

[10] Baldwin asserted that this 20th-century author perpetuated racist stereotypes in “Everybody’s Protest Novel.” That essay begins Baldwin’s collection *Notes of a Native Son*, whose title references this author’s novel *Native Son*.

ANSWER: Richard **Wright** <Nair>