PRISON BOWL VIII

Questions written and edited by Hunter College High School (Gilad Avrahami, Sam Brochin, Christopher Chilton, Prithi Chakrapani, Swathi Chakrapani, David Godovich, Lily Goldberg, Ada-Marie Gutierrez, Sarah Hamerling, Sophey Ho, Diane Hwangpo, Joshua Kwan, Chloe Levine, Alice Lin, Helen Lu, Nancy Lu, Daniel Ma, Ria Modak, Brent Morden, Priya Srikumar, Brendan Sullivan, Albert Tai, Luke Tierney, Karina Xie, William Xie), Virginia Commonwealth University (Sarah Angelo, George Berry, Nathaniel Boughner, Akhil Garg, Cody Voight, Najwa Watson), Rohan Nag, and Zihan Zheng.

Round 07

Tossups

1. This author writes "My verse, your virtues rare shall eternize, / And in the heavens write your glorious name" in a sonnet cycle to his future wife Elizabeth Boyle titled *Amoretti*. In another poem written for the marriage of Elizabeth and Katherine Somerset by this author, the line "Sweet Thames run softly, till I end my song" concludes each stanza. In addition to *The Shepherd's Calendar*, this author wrote an epic poem in which Una is rescued by the Red Crosse Knight and Gloriana represents Elizabeth I. For 10 points, name this sixteenth-century English poet of *The Faerie Queen*.
ANSWER: Edmund **Spenser** <SoH>

2. Norton and Thévenin name equivalent, reducible forms of this quantity, while darker-colored bands represent higher percent tolerances related to this quantity. In Joule heating, this quantity allows for power loss, which can be calculated by current squared times this quantity. This quantity for a wire is proportional to its length over its cross-sectional area. The complex form of it is expressed as Z and is called impedance. Generally expressed as voltage over current via Ohm's Law, this quantity is high for insulators and low for conductors. For 10 points, name this electrical quantity measured in ohms which is a material's opposition to the flow of current.
ANSWER: **resistance** <BM>

3. After the battle of Pea Ridge, General Pike built Fort McCulloch in what would later become this state. An alternative court system governing many of this state's residents was ended by the Curtis Act. At one point, those residents wanted to found a state called Sequoyah, which would have been located in one of this state's Twin Territories. Settlers claimed large parts of this state called Undesignated Lands in the Land Run of 1889, which gave it its nickname, The Sooner State, and displaced many members of its Five Civilized Tribes who had arrived there via the Trail of Tears. For 10 points, name this state whose second most populous city is Tulsa.
ANSWER: **Oklahoma** <CL>

4. After a 70 billion dollar project for this technique was announced, Algerian police used tear gas against protesters in March. Tony Abbott said that Australia should be cautious about this technique and its environmental effects, but deflected responsibility to state governments. Since January 2014, 113 earthquakes in Kansas have been connected to operations using this technique. The Obama administration announced new rules for this technique, including standards for the construction of wells and the disposal of waste water. For 10 points, name this technique which uses pressurized liquid to create cracks in rock formations, allowing natural gas and petroleum to flow more freely.
ANSWER: **fracking** (accept **hydraulic fracturing** or equivalents)

5. This man wrote a symphony in A-flat whose final movement completes a theme from the first movement marked "nobilmente." His *Introduction and Allegro* for strings was written polyphonically to reflect the virtuosity of its performers, and a 1965 recording by Jacqueline du Pré launched this composer's *Cello Concerto* into newfound fame. A poem by Cardinal Newman inspired this man's *The Dream of Gerontius*, while another work in the form of musical cryptograms includes the "Nimrod" variation. For 10 points, name this English composer of the *Enigma Variations* and the *Pomp and Circumstance Marches*.
ANSWER: Edward William **Elgar** <GA/BM>

6. In a *Xiaolin Showdown* episode, Omi performs a "Jurassic" variety of this activity with a talking T-Rex, and in *Star Trek: The Original Series* Charlie X becomes frustrated after performing this activity with Spock. After a holographic version of this activity called Dejarik is performed, a character declares, "let the Wookiee win." A musical named after this game originally starred Murray Head, and features songs such as "One Night in Bangkok." At the end of *The Sorcerer's Stone,* Harry and friends must play a life-sized version of this game. For 10 points, name this game featuring players such as Deep Blue, Garry Kasparov, and Bobby Fischer.
ANSWER: **chess** (accept "playing **chess**") <AT>

7. In a novel by this author, the protagonist is called Snowman and lives in a tree while remembering his past as a salesman for genetically engineered products like the BlyssPluss pill. In another novel by this author, the narrator's college friend Moira becomes a prostitute forced to wear a bunny costume after she escapes from the Rachel and Leah Center. The protagonist of that novel by this author begins an affair with Nick after failing to become pregnant by the Commander. That novel describes the life of Offred in the dystopian Republic of Gilead. For 10 points, name this Canadian author of *The Handmaid's Tale*.
ANSWER: Margaret **Atwood** <SEA>

8. This process obtains energy from antenna complexes, and catalysis of malate forms a reactant in it. In this process, which utilizes a reducing agent containing an adenine moiety, a phosphate group is replaced with a hydrogen atom to form glyceraldehyde 3-phosphate. This pathway is begun by an enzyme that requires Mg 2+ ions to bind to the active site. It also oxidizes NADPH to form NADP+. This process does not require photons, and is therefore termed "light-independent." It accepts three carbon dioxide molecules and produces intermediates which are then converted into sugars. For 10 points, name this reaction pathway which employs RuBisCo, a cycle utilized in photosynthesis.
ANSWER: **Calvin**-Benson cycle <AT>

9. One of this man's few tactical mistakes was putting the queen Arsinoe ("Ar-SIN-o-way") IV on display, moving spectators to sympathy with those whom he had conquered. Once he became ruler, he gave himself the title of "Father of the Fatherland" and increased the Senate to nearly 900 members. Although this ruler had been ordered to divorce his wife after the triumph of Sulla, this man remained with her until her death. This ruler defeated Pompey at the Battle of Pharsalus, whom he was part of the First Triumvirate with, along with Crassus. For 10 points, name this ruler of the Roman Empire who was murdered on the Ides of March.
ANSWER: Gaius **Julius Caesar** [prompt on **Caesar**]

10. A response to this experiment conducted by Mary Cover Jones resulted in the development of desensitization. The subject of this experiment has been speculated to bear the name Douglas Meritte, and the experiment was conducted at the Harriet Lane home. This experiment utilized the burning of newspaper, seal-skin coats, and a Santa Claus mask with a cotton-ball beard meant to mimic white fur. It was co-run by graduate student Rosalie Rayner and involved striking a steel bar with a hammer whenever the subject touched a white rat. For 10 points, name this classical conditioning experiment conducted by John B. Watson which caused a small boy to develop a phobia of furry things.
ANSWER: **Little Albert** Experiment (accept **Albert B** Experiment) <LG>

11. In *Knowing and the Known,* this man differentiated between self-action, interaction, and transaction. He argued for by extending voting rights and that communication between citizens and politicians was instrumental to democracy. In *Democracy and Education* this man argued that the purposes of education include self-realization and social reform, and helped to found the progressive New School on these theories. In "The Reflex Arc Concept of Psychology" he argued against traditional notions of stimulus and response. For 10 points, name this American philosopher and psychologist associated with pragmatism and credited with founding functional psychology.
Answer: John **Dewey** <RM>

12. Antonio de Nebrija famously presented his completed grammar book to this ruler. This ruler's predecessor was a half-brother named Henry IV, who continuously tried to arrange political marriages for this ruler. This ruler expelled all Jews with the Alhambra Decree, weakening her country's economy. She was succeeded by her daughter, Joanna the Mad, who began Hapsburg control of Spain by marrying Philip the Handsome. She and her husband began the Inquisition and sent Columbus to the New World. For 10 points, name this Spanish queen who united the thrones of Castile and Aragon by marrying Ferdinand I.
ANSWER: **Isabella I** of Castile [accept **Isabel**; prompt on **Isabella**] <DG>

13. For two primes p and q, one of these numbers is congruent to q mod p and congruent to p mod q unless both p and q are congruent to three mod four, according to Gauss's reciprocity theorem. A prime congruent to one mod four can be written as a unique sum of two of these numbers, as stated by Fermat. These numbers can be expressed as the sum of two consecutive triangular numbers. This type of number gives an integer when exponentiated to the one-half power. The difference of two of these numbers can be factored into the sum and difference of two numbers, *a* and *b*. For 10 points, identify these numbers that are the products of multiplying an integer by itself.
ANSWER: perfect **square**s [or **square** numbers] <CV>

14. A painting by Charles Demuth inspired by William Carlos Williams's "The Great Figure" features three number fives in this color. Adele Bloch-Bauer I is clothed in a dress of this color in a portrait, and due to the fact that another work was splattered with this color, that painting's artist was accused by John Ruskin of "flinging a pot of paint in the public's face." The central figures of another work where black squares represent masculinity and colored ovals represent femininity are cloaked in this color, which is paired with black in a Nocturne by James Whistler featuring a "Falling Rocket." For 10 points, name this dominant color and foil material used in Gustav Klimt's *The Kiss*.
ANSWER: **gold** [prompt on "yellow"] <AT>

15. In a play by this man, La Fleche attempts to coax Cleante into accepting a loan from Monsieur Simon. When that character created by this man finds that the money is really coming from Harpagon, he steals ten thousand crowns that Harpagon had hidden. Madame Pernelle tells Damis that he is "Growing more foolish everyday" when he chastises the title character of another play by this man. That character attempts to seduce Elmire, but her husband Orgon catches him by hiding under a cloth-covered table. For 10 points, name this French comic playwright of *The Miser* and *Tartuffe*.
ANSWER: **Moliere** [accept Jean-Baptiste **Poquelin**] <NB>

16. Hyperbaric chambers treat patients suffering from disorders of oxygen transport by increasing air pressure to adjust this property for oxygen in the body. Carbonates and phosphate salts generally lack this property, whereas all salts of alkali metals exhibit it. This property for a gas is proportional to the partial pressure of the gas through Henry's Law. Increasing the temperature of a solution increases the extent of this property, and knowledge of it is used to determine if a precipitate will form in a reaction. For 10 points each, name this property of a substance which is its ability to dissolve in a solvent to form a homogeneous solution.
ANSWER: **solubility** [accept **soluble**] <BM>

17. This man's strength was strongest when the sun is at its highest, and he is sometimes referred to as "the Maidens' Knight" due to his status as a defender of women. This pentacle-wearing brother of Mordred became enemies with Lancelot after Lancelot killed the rest of his brothers. He once exchanged kisses for livestock, and secretly accepted a girdle of invincibility from Lady Bertilak. As penance for not keeping a bargain, this man received a nick on his neck. For 10 points, name this Knight of the Round Table who most famously entered into a beheading competition with the Green Knight.
Answer: **Sir Gawain** <JK>

18. The speaker of a poem by this author explains that where "a young girl… has drowned… an old woman rises....like a terrible fish." A villanelle by this poet includes the refrain "I think I made you up inside my head." This author of "Mirror" and "Mad Girl's Love Song" wrote of dying three times in a poem that warns, "Out of the ash I rise with my red hair." This author of "Lady Lazarus" calls her husband "a man in black with a Meinkampf look" who is "a model" of a man about whom she declares "I'm through." For 10 points, name this poet whose collection *Ariel* includes the poem "Daddy."
ANSWER: Sylvia **Plath** <SEA>

19. The Constitutional Act of 1791 was passed under a Prime Minister officially of this party, creating Upper and Lower Canada. Henry Bolingbroke, a member of this party, was rejected by Queen Anne's council of regents, leading to the Jacobite rising. The Cavalier or Pensioner's Parliament was dominated by this party. This party's successor's principles come from a text which references the Bullion Committee, and that text was the Tamworth Manifesto. This party controlled the majority of the Rotten Boroughs until the Reform Act of 1832. For 10 points, name this British political party which opposed the Whigs and was succeeded by the Conservatives.
ANSWER: **Tories** or **Tory** Party (do not accept **Conservative** party)

20. Subjects of one series of works by this man include girls playing volleyball and a young woman twirling a baton. Another one of his works features two darkly dressed figures in wide-brimmed hats against a cloudy sky. Those two figures are Orville Cox and artist Georgia O'Keeffe. This artist, who created many works featuring the Manzanar internment camp and its Japanese-American inhabitants, developed a Zone System that ranked shades of grey from 0 to 10. His most famous works include *Moonrise, Hernandez, New Mexico* and *Moon and Half Dome*. For 10 points, name this photographer who frequently depicted natural structures in Yosemite National Park.
ANSWER: Ansel Easton **Adams** <AT>

TB. One type of these structures is synthesized by exposing malonate to a base in the Bingel reaction, and a pure solution of them exhibits a distinct purple color. These structures, that were first synthesized by Kroto, Smalley, and Curl, can be found in armchair, stair, or chiral varieties. Completely comprised of bonds formed by sp^2 hybridization, they are often formed from graphene. These compounds can be double walled or single-walled, as exemplified by nanotubes. For 10 points, name these hollow allotropes of carbon, the most well known of which being a soccer ball-like formation of 60 carbon atoms named after a certain American architect.
ANSWER: **fullerenes** (accept specific types like **nanotubes** or buckminster**fullerene** before mention) <AT>

Bonuses

1. This composer's works are numbered according to Ludwig von Köchel's catalog. For 10 points each:
[10] Name this Classical period composer of the *Jupiter* Symphony. He was a child prodigy schooled by his father, Leopold.
ANSWER: W.A. **Mozart** [or Wolfgang Amadeus **Mozart**]
[10] Mozart's 25th symphony and this other symphony are written in G minor. The middle of the three symphonies Mozart wrote in the summer of 1788, three of its four movements are in sonata form.
ANSWER: Symphony No. **40** in G minor, K. 550 (accept **Great G minor** symphony)
[10] Mozart's Symphony No. 40 is scored for a typical Classical orchestra, lacking trumpets and these percussion instruments. Rapidly striking this instrument with alternating hands creates a namesake "roll".
ANSWER: **timpani** [or **kettledrum**s; prompt on "**drum**s"] <CV>

2. This country was led by King Frederick III, who introduced primogeniture to its rules of succession. For 10 points each:
[10] Name this country, which was united with Norway during and after the Kalmar Union until the Congress of Vienna. Sweden had earlier quit the Kalmar Union in 1523, leaving only this nation and Norway.
ANSWER: **Denmark**
[10] This peace treaty forced the Danes to surrender Scania, Bornholm, and other mainland Swedish possessions after they had repelled a Swedish invasion in 1648. Along with the later Treaty of Copenhagen, it set modern Danish, Swedish, and Norwegian borders.
ANSWER: Peace of **Roskilde** or Treaty of **Roskilde**
[10] The Scandinavian theater of this later war saw Frederick IV of Denmark gain stronger control over Schleswig-Holstein on the Continent. Other theaters saw Charles XII of Sweden eventually defeated by Peter the Great at the battle of Poltava.
ANSWER: **Great Northern** War

3. Because Vishnu lives far beyond the realm of the material universe, he must use avatars to communicate with the mortal world. Name some things about these avatars, for 10 points each:
[10] A dialogue between Arjuna and his charioteer, this blue-skinned avatar of Vishnu, is detailed in the Bhagavad Gita. When he assumes his multi-armed form, this avatar describes himself as "Death, the destroyer of worlds."
ANSWER: **Krishna**
[10] Matsya, the first avatar of Vishnu, is in the form of this animal. In this guise, Vishnu saved the first human, Manu, from a great flood.
ANSWER: **fish**
[10] At the end of the world, this last avatar of Vishnu will come on horseback to end all vice on earth. He holds a flaming sword and his name literally means "White Horse".
ANSWER: **Kalki** <JK>

4. One of these animals named Old Ben is the title character of a Faulkner short story from the collection *Go Down, Moses*. For 10 points each:
[10] Name this large predator. Heinrich Heine's long poem *Atta Troll* describes one of these animals who has learned to dance and who believes that God is a large, white one of these animals.
ANSWER: **bear**s
[10] Another German poet who wrote about animals was this author of "The Panther." This man is better known for asking "who, if I cried out, would hear me among the angelic orders?" in one of his *Duino Elegies*.
ANSWER: Rainer Maria **Rilke**
[10] Rilke also wrote a collection of sonnets addressed to this musician from Greek mythology who was torn apart by Maenads while mourning his wife Eurydice.
ANSWER: **Orpheus** <SEA>

5. Many of these animals are hermaphroditic, and can reproduce via cross-fertilization. For 10 points each:
[10] Name this phylum of segmented worms. They move via peristalsis, with muscles inflating individual segments.
ANSWER: **annelid**s (or **annelida**)
[10] Annelids can classified as polychaetes or clitellates based on how many of these structures that they have per body segment. They are analogous to legs, and are tipped by chitinous chetae.
ANSWER: **parapodia**
[10] These segmented annelids are detritivores that break down organic materials into nitrogen and phosphates. These invasive, bristly worms have five hearts and usually come above ground after rainfall.
ANSWER: **earthworms** [accept **oligochaeta**] <AT>

6. This author coined the term "différance," with an "a". For 10 points each:
[10] Name this philosopher who formulated analysis through deconstruction.
ANSWER: Jacques **Derrida** [or Jackie Élie **Derrida**]
[10] Derrida wrote of deconstruction in this 1967 book, which was translated into English by Gayatri Spivak. This book lays out a history of writing, and a sentence from it has been translated to "there is nothing outside the text".
ANSWER: *Of Grammatology* [or *De la grammatologie*]
[10] Derrida was an Algerian-born poststructuralist social critic who moved to this country. Other social critics from this country include Roland Barthes, Claude Levi-Strauss, and Michel Foucault.
ANSWER: **France** [or **French**] <AG>

7. When swinging around a ball on a piece of string, this force prevents the ball from flying off. For 10 points each:
[10] Name this force which points to the center of curvature for an object moving in a curved path. It is equal to $m v$ squared over r.
ANSWER: **centripetal** force [do not accept **centrifugal** force]
[10] This other physical force always acts opposite to the motion of an object through a fluid, slowing it down. It is related to the object's speed and cross-sectional area, and Stokes' law calculates it for a sphere moving in a fluid.
ANSWER: **drag**
[10] Drag forces and gravity affect this phenomenon, in which particles in a suspension tend to settle out and accumulate along a barrier.
ANSWER: **sedimentation** <BM>

8. Iberian kingdoms began to expand and sponsor voyages of exploration in the fifteenth century. For 10 points each:
[10] This prince of Portugal led an attack on Ceuta and founded a research institute in North Africa. This man was also the governor of the Order of Christ.
ANSWER: **Henry the Navigator** [accept Infante Dom **Henrique de Avis**, Duke of Viseu]
[10] Portuguese mariners designed this kind of vessel for voyages of exploration. These vessels were small enough to enter shallow coastal waters and strong enough to withstand ocean storms.
ANSWER: **caravel**s
[10] This Portuguese explorer was the first European to reach India by sea and used caravels, reaching Calicut in 1498.
ANSWER: Vasco **da Gama** <HL>

9. In this city, Amina is caught leaving the house after being hit by a car. For 10 points each:
[10] Name this city, the home of the al-Jawad family in the novels *Sugar Street*, *Palace Walk*, and *Palace of Desire*.
ANSWER: **Cairo**
[10] The novels of the *Cairo Trilogy* are by this Egyptian author, who also allegorized religion in his novel *The Children of Gebelawi*.
ANSWER: Naguib **Mahfouz**
[10] Naguib Mahfouz writes in this language, also used by the poet Mahmoud Darwish. The Quran was written in this language.
ANSWER: **Arabic** <SEA>

10. According to Hess' Law, the total change in this quantity for a reaction is equal to the sum of all changes in this quantity for the reaction steps. For 10 points each:
[10] Name this quantity denoted H, which is a state function representing the heat content used or released in a system. It is also related to the system's internal potential energy.
ANSWER: **enthalpy**
[10] The van't Hoff equation relates enthalpy to this phenomenon, the sticking of dissolved molecules onto the surface of an object. This phenomenon is distinct from absorption in that the molecules do not permeate through the surface.
ANSWER: **adsorption**
[10] This set of equations relates the derivatives of thermodynamic potentials, including enthalpy, to mechanical variables such as pressure and volume. It is named after a Scottish physicist.
ANSWER: **Maxwell**'s **relations** [do not accept **Maxwell**'s **equations**] <BM>

11. The title substance of this song supposedly "gon' give it to you." For 10 points each:
[10] Name this song that features the lyrics "don't believe me just watch" before breaking into a brass band solo.
ANSWER: "**Uptown Funk"**
[10] "Uptown Funk" was produced by Mark Ronson and features vocals by this singer. He'd "catch a grenade for you" and performed in the 2014 Super Bowl halftime show.
ANSWER: Bruno **Mars** (accept Peter Gene **Hernandez**)
[10] This other song by Bruno Mars features a music video where Mars is accompanied by some back-up dancers in monkey masks. In it, he professes that he will "do some p90x" and might "get [his] college degree."
ANSWER: "The **Lazy Song**" <AT>

12. This opera and its predecessor, *H.M.S. Pinafore*, both achieved critical success. For 10 points each:
[10] Name this comic opera which centers around a band of looting orphans. It sees Frederic fall for Mabel, a character whose father sings the iconic "I am the Very Model of a Modern Major General."
ANSWER: *The Pirates of Penzance*
[10] *The Pirates of Penzance* was the fifth collaboration between librettist W.S. Gilbert and this English composer who also wrote music for *The Mikado*.
ANSWER: Arthur **Sullivan**
[10] *The Pirates of Penzance* and *The Mikado* are this style of comic opera, named for the London theater in which they premiered.
ANSWER: **Savoy opera** <LG>

13. The protagonist of this novel is shot after being betrayed by Thomas Marvel and takes shelter in Dr. Kemp's house. For 10 points each:
[10] Name this work in which the title researcher of optics first experiments on a cat, and later on himself.
ANSWER: *The Invisible Man* (Must include "The")
[10] This author of *The Invisible Man* also wrote about an Eloi named Weena and the dangerous Morlocks in *The Time Machine*.
ANSWER: Herbert George **Wells**
[10] Wells also penned this novel in which Mr. Bedford and Mr. Cavor build a glass and steel vessel to reach the title location, where they get lost in the jungle.
ANSWER: The *First Men on the Moon* <SoH>

14. This country's Mineral Revolution was sparked by the discovery of lucrative supplies of gold and diamonds, but the profits from the diamonds went directly to Europe. For 10 points each:

[10] Name this country whose Cape Colony was annexed by Britain in 1806. It currently has three capitals, one for each branch of government, including Pretoria and Cape Town.

ANSWER: **South Africa**

[10] The South African Republic, which fought against colonial forces in the First Boer War, was also known as this. It was north of a certain river and was allied with its neighbor, the Orange Free State.

ANSWER: **Transvaal** [accept **Transvaal** Republic, **Transvaal** Province, **Transvaal** Colony]

[10] This South African city on the border of the Transvaal and British South Africa was besieged in the Second Boer War, but is also known for its huge diamond deposits. The De Beers family began mining diamonds here.

ANSWER: **Kimberley** <CL>

15. On January 7, 2015, two Islamist gunmen entered this magazine's headquarters in Paris and killed twelve people. For 10 points each:

[10] Name this French weekly satirical magazine known for its controversial cartoons, which frequently depict the prophet Muhammad.

ANSWER: *Charlie Hebdo*

[10] One of the victims of the *Charlie Hebdo* attack was this editor of the magazine. In an interview following a firebomb attack on the headquarters 2011, he said, "I'd rather die standing than live on knees."

 ANSWER: Stéphane **Charbonnier** (accept **Charb**)

[10] To poke fun at militant Islam in light of the attack, this popular German satire magazine released its meeting time and location on its website.

ANSWER: *Titanic* <WX>

16. Answer some questions about a poet who once wrote a four book epic about the city of Paterson, NJ, for 10 points each:

[10] Name this poet of *Paterson* and "To Elsie", who professes in other pieces that he has "eaten all the plums in the icebox" and that "so much depends on the little red wheelbarrow."

ANSWER: William Carlos **Williams**

[10] In one poem from this Williams collection, "little girls [are] whirling their skirts about," nearby"boys are swimming bare-ass," and "everything is motion." That poem is entitled "Children's Games" after the painter who gives the collection its title.

ANSWER: *Pictures from Brueghel*

[10] In this other Williams poem, the narrator "dance[s] naked, grotesquely/before [his] mirror," the "happy genius of [his] household."

ANSWER: **Danse Russe** <KX>

17. The three Sabbath meals are traditionally begun with this food item, and on Passover, it is replaced by matzah. For 10 points each:

[10] Name this food item that represents the manna, which fell from the heavens and onto the Israelites during the Exodus.

ANSWER: **challah** bread (prompt on bread)

[10] On Rosh Hashanah, rounded challah bread is covered with this sweet additive to represent the "sweet new year." When Moses spoke to the Burning Bush, God promised him a land flowing with milk and this substance.

ANSWER: **honey**

[10] This substance is needed for the blessing of challah bread during *kiddush*. The Torah states that this substance symbolizes the eternal covenant with God, and that without it, a meal cannot be considered a meal.

ANSWER: **salt** <WX>

18. Because of the technical limitations present at the time of this sculpture's creation, the main subject leans on a carved tree trunk. For 10 points each:
[10] Name this sculpture where a certain god grasps a baby in one arm. His other arm is missing, though historians believe that it originally held a large bunch of grapes.
ANSWER: *Hermes and the Infant Dionysus* (accept *Hermes of Praxiteles* or *Hermes of Olympia*, do not reveal alternate answerline unless provided)
[10] *Hermes and the Infant Dionysus* is a statue by this sculptor. He supposedly had a relationship with the courtesan Phryne, who modeled for many of his works. He also depicted the first life-sized representation of the nude female, his Aphrodite of Cnidus.
ANSWER: **Praxiteles**
[10] Praxiteles is a sculptor from this country. Other sculptors from this country include Myron, who created a famed depiction of a discus thrower.
ANSWER: **Greece** (accept the **Hellenic Republic**)

19. These clouds have early anvil shapes and come in shades from white to dark grey. For 10 points each:
[10] Name these dark, towering clouds, which create intense weather, like thunderstorms, and result from atmospheric instability. Their name comes from two types of clouds that are white and light and make precipitation, respectively.
ANSWER: **cumulonimbus** clouds
[10] This most severe type of thunderstorm is defined by a rotating updraft known as a mesocyclone. They can produce tornadoes, hail, and are caused by shear in wind patterns in an area.
ANSWER: **supercell**s
[10] Strong vertical wind shear and updraft properties are indicators used in this test/technique, which classifies the severity of thunder- and rainstorms using radar.
ANSWER: **Lemon** test/technique <NL>

20. Name some notable figures from New York political history, for 10 points each:
[10] This mayor of New York was elected on a Fusion ticket in 1934, winning support from a wide range of immigrant communities. He implemented many New Deal policies in the city and unified the subway system.
ANSWER: Fiorello **LaGuardia**
[10] This organization led by sachems like Boss Tweed dominated New York politics in the 1800 and early 1900s. The Pendleton Civil Service Act weakened it, although bosses like Carmine DeSapio maintained influence through the 1940s.
ANSWER: **Tammany Hall**
[10] This governor of New York served as vice-president under Ford led for a time the liberal branch of the Republican party, and dealt with the Attica riots during his time as governor.
ANSWER: **N**elson **Rockefeller** [prompt on **Rockefeller**]

TB. The lines "I have brought the great ball of crystal / Who can lift it?" are from the last poem of this collection that contains the poem "Addendum for C," which criticizes usury. For 10 points each:
[10] Name this collection of poetry that contains figures such as Confucius, Napoleon, and Thomas Jefferson. It contains "China" and "Pisan" examples of its title form.
ANSWER: *The **Cantos***
[10] The speaker witnesses "The apparition of these faces in the crowd" and "Petals on a wet, black bough" in this two line poem.
ANSWER: "**In a Station of the Metro**"
[10] *The Cantos* and "In a Station of the Metro" are works by this modern imagist poet.
ANSWER: Ezra Weston Loomis **Pound** <Najwa>