

PRISON BOWL XII: DANIEL TOLD US NOT TO HAVE A SUBTITLE

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PACKET SIX

TOSSUPS

1.

The Spirit of Spider Web Forest serves as an analogue to the Weird Sisters in this director's film *Throne of Blood*, an adaptation of Macbeth. One of this man's films, *The Hidden Fortress*, was loosely adapted into *Star Wars*, and he also adapted *The Death of Ivan Ilyich* for his film (*) *Ikiru*. When multiple people give differing accounts of the same event, it is often known as the Rashomon Effect, known for the film of the same name by this director. For 10 points, *The Magnificent Seven* is based on what director's *Seven Samurai*?

ANSWER: Akira Kurosawa [accept Kurosawa Akira] <AJ>

2.

This person's last speech to the Committee on the Judiciary, "The Solitude of Self," argued about the central value of the individual. It's not Pillsbury, but this person was co-editor of *The Revolution* until its demise. This person organized NAWSA ("N-A-W-S-A") and was its president until it merged with the American (*) Woman Suffrage Association. This woman published and wrote the second volume of the *Woman's Bible* and wrote *Eighty Years or More*. For 10 points, name this woman who introduced the Declaration of Sentiments during the Seneca Falls Conference.

ANSWER: Elizabeth Cady Stanton <BKC>

3.

This deity brought a tree into their garden with the intention of turning it into a throne, but requires a hero to help her once it becomes home to the Anzû bird. This deity traveled to the underworld to taste a fruit which gave them knowledge of (*) sex, and was forced to remove their clothing while there. This goddess releases a series of plagues onto earth after she was raped in her sleep by Shukaletuda and is later aided in her quest for justice by Enki. For 10 points, name this Sumerian goddess of fertility and war.

ANSWER: Ishtar [accept Inanna or Astarte] <AJ>

4.

Some members of this phylum have a scolex which may include larval hooks. *Turbellaria* is a class that is a member of this phylum, some of whose members cause schistosomiasis ("shiss-to-so-MY-a-sis"). Some members of this phylum use the tegument for both ingestion and egestion and lack an alimentary canal. These organisms engage in penis fencing to determine the father, and (*) flame cells are used for excretion in these organisms. The only bilaterians without a body cavity are members of this phylum, which includes planarians and tapeworms. For 10 points, name this phylum also known as flatworms.

ANSWER: platyhelminthes [accept flatworms until read] <BC>

5.

This author wrote in a work praised by Theodore Roosevelt and published in the collection *The Torrent and the Night Before*, “Go to the western gate.” In another work, this author wrote of a man who “loved the days of old” and “dreamed of Thebes and Camelot.” In one poem, this author of (*) “Luke Havergal” described an “imperially slim” “gentleman from sole to crown” whose life was admired by the poorer people around him. For 10 points, name this American poet who discussed a man “born too soon” in “Miniver Cheevy” and another who “went home and put a bullet through his head” in “Richard Cory.”

ANSWER: Edwin Arlington Robinson <CO>

6.

Robert Sampson and Stephen Raudenbush examined the effect this theory seeks to explain in a 2004 study of Chicago neighborhoods. This theory was first introduced in an Atlantic Monthly article by James Wilson and George Kelling, and its effect was tested in a study of abandoned (*) cars in Palo Alto and the Bronx. This theory was first popularized by the “zero tolerance” policies of New York Police Commissioner Bill Bratton. For 10 points, name this theory, which states that a lack of enforcement of minor crimes creates an atmosphere of lawlessness which leads to an increase in more serious crime.

ANSWER: Broken Windows theory <MB>

7.

One of these events started with Operation Gibraltar and ended with the Tashkent Declaration. The first of these events started with an uprising in Poonch. The loss of the third of these events by one side led to the Chagai-I (“Chagai One”) operation and the rise of the (*) PPP to power. The fourth of these events, known as the Kargil War, also ended in defeat for that side. In March 2019, there were fears of another one of these wars after a jet was shot down in Kashmir. For 10 points, name this series of wars between two nuclear powers in South Asia.

ANSWER: Indo-Pakistani Wars [accept descriptive answers] <BL>

8.

Moderator Note: Read lowercase numerals (i.e. i) in the chords as “minor” (i.e. “minor one”) and capital as “major”

This country names a chord progression whose first half is “i, V, i, VII, III, VII, i, V,” known as its “follies.” Camille Saint-Saëns wrote his *Introduction and Rondo Capriccioso* for a musician from this country, who also inspired Édouard (*) Lalo’s *Symphonie* named after this country. The gaita is a bagpipe used in this country’s northwest, and works from this country, including Isaac Albéniz’s “Asturias,” often use a 3+3+2+2+2 rhythm characteristic of the flamenco. For 10 points, name this European country with a strong classical guitar tradition.

ANSWER: Spain [accept España] <DM>

9.

One of this author’s works begins “In the sky there is nobody asleep. Nobody, nobody.” A poem by this author ends “I sing of his elegance with words that groan, / and I remember a sad breeze through the olive trees” and repeats the phrases “I refuse to see it!” and “At (*) five in the afternoon.” Another of his poems begins “Green, how I want you green.” In one of his plays, the title woman wipes makeup off her daughter’s face after ordering her to wear clothes of mourning, and in another, the Groom and Leonardo Felix kill each other in a forest. For 10 points, name this Spanish author of *The House of Bernarda Alba* and *Blood Wedding*.

ANSWER: Federico Garcia Lorca [prompt on partial; poems are "City That Does Not Sleep," "Lament for Ignacio Sanchez Mejias," "Romance Sonambulo" in order] <RY>

10.

In SN1 reactions, by definition this quantity is linearly proportional to the electrophile concentration, while it is independent in zero order reactions. This quantity's coefficient is related to temperature by the Arrhenius ("ar-HEE-nee-us") equation, and this quantity is that coefficient, k, times the concentration of each reactant (*) raised to its stoichiometric ("stoy-kee-oh-MEH-tric") coefficient. This quantity times the stoichiometric coefficient is the rate at which a product or reactant changes in concentration. Catalysts raise, for 10 points, what quantity, with unit molarity per second, the speed of a chemical reaction?

ANSWER: reaction rate [accept words in either order; prompt on partial] <DM>

11.

One actress from this film improvised a scene in which two characters imitate chickens while discussing the actions of Eleanor. Singer Kina Grannis performed a cover of the song "Can't Help Falling in Love" for the wedding between Colin and Araminta in this film. (*) Singapore serves as the main setting of this film, during which Rachel Chu discovers that Nick Young's family are the title people. For 10 points, name this 2018 film starring an all-Asian cast, including Henry Golding, Awkwafina, and Constance Wu, based on a novel by Kevin Kwan.

ANSWER: Crazy Rich Asians <EL>

12.

This person designed Osborne Hall and bought Balmoral Castle. This person came into a variety of disputes with Baroness Lehzen about his children. This man founded Imperial College London and was the Chancellor of the University of Cambridge. This nobles notably opposed the (*) Corn Laws and supported abolition. A "Royal" concert hall in London is named in his honor, and this man was instrumental in creating the Great Exhibition of 1851 at the Crystal Palace. For 10 points, name this husband whose death threw Queen Victoria into a period of intense mourning, the Prince of Saxe-Coburg and Gotha.

ANSWER: Prince Albert <BL>

13.

In 2017, the PAMELA probe detected an excess of these particles. In the Feynman diagram of this particle's annihilation, it is shown travelling leftward and producing a sine wave. It's not the muon, but Carl David Anderson discovered these particles in 1932. Fludeoxyglucose is used in these particles' namesake (*) "emission tomography," and when potassium-40 undergoes beta-plus decay, a proton is changed into a neutron, an electron neutrino, and this particle. For 10 points, name this antimatter counterpart of the electron with a positive charge.

ANSWER: positrons <BC>

14.

This author wrote a work that was famously criticized by William Wotton for its focus on religion. That work is an allegory of the three brothers who represent the three different branches of Christianity. In his most famous work, the main character meets (*) Houyhnhnms ("HOY-nehms"), after escaping to Blefuscu from the country of Lilliput, where he looks like a giant to the tiny residents. For 10 points, name this Anglo-Irish author who wrote satires such as *A Tale of A Tub* and *Gulliver's Travels*.

ANSWER: Jonathan Swift <JH>

15.

In 2014, a former senator moved from this state before he lost an election against Jeanne Shaheen. In this state, Michael Capuano was defeated by the first African-American woman to represent this state in a 2018 primary; that woman was Ayanna Pressley. The senior senator from this state was barred from (*) speaking on the senate floor during a confirmation hearing in 2017 by Mitch McConnell, who said, “Nevertheless, she persisted.” That senator has been criticized for claiming that she had Native American ancestry, leading President Trump to dub her “Pocahontas.” For 10 points, name this state represented in the Senate by Elizabeth Warren.

ANSWER: Massachusetts [accept MA] <BC>

16.

A hotspot under this tectonic plate contains the Picabo volcanic field and created the Ashfall Fossil Beds. This plate forms the eastern part of the Kolyma region and the Queen Charlotte Fault. The Farallon plate’s subduction under this plate to this plate’s west formed the (*) Cocos Plate and Cascadia Fault. It’s not the Eurasian Plate, but Eyjafjallajökull (“ey-ya-fya-tla-YER-kutl”) in Iceland was formed from this plate’s divergent fault in the Mid-Atlantic. A geyser erupting either every 65 or 91 minutes, Old Faithful, lies in, for 10 points, what tectonic plate containing Yellowstone, named after a continent?

ANSWER: North American Plate <DM>

17.

This dynasty conquered Albazin with no casualties using troops with rattan shields, acquired after a victory against a kingdom that had earlier captured Fort Zeelandia. This dynasty killed one general, who had earlier defected to its first ruler, after subduing the Revolt of the Three Feudatories; that general was (*) Wu Sangui. This dynasty signed the Treaty of Nerchinsk, extending its rule to the Amur. For 10 points, name this dynasty whose members included Kangxi, which originated in Manchuria and subdued the Ming—the last Chinese dynasty.

ANSWER: Qing Dynasty <DM>

18.

It’s not Sri Lanka, but an author from this country wrote about Sarath Diyasena, who finds a skeleton named Sailor along with the title character in *Anil’s Ghost*. In a short story by an author from this country, the narrator’s piano teacher Miss Marsalles throws parties for her students’ recitals; that short story is (*) “Dance of the Happy Shades.” In a novel from this country, the protagonist hides butter in her shoe to use as lotion and is invited to play a game of Scrabble with the Commander. Offred (“of Fred”) has an affair with Nick in a novel from, for 10 points, what home country of Alice Munro and Margaret Atwood?

ANSWER: Canada <AJ/RV>

19.

One of this artist’s works was declared perpetually unfinished until it was accidentally cracked during transit en route to an exhibition. That work is commonly known as *The Large Glass* and features a chocolate grinder motif. Another of this artist’s works consists of a cage filled with stone cubes and a cuttlebone, entitled *Why Not Sneeze*, (*) *Rrose Sélavy*? One of this man’s paintings described as “an explosion in a shingle factory” is *Nude Descending a Staircase*. For 10 points, name this artist who used a urinal for his readymade sculpture *Fountain*.

ANSWER: Henri-Robert-Marcel Duchamp <AJ>

20.

Moderator Note: Read carefully

This operator's name was first introduced in the second volume of a book called "Analytische Zahlentheorie," published in 1894 by Paul Bachmann. In a Taylor series, this operator can be used to express higher order terms that are negligible, truncating the series. For any function, "f of x" is this operator of "g of x" if "f of x" divided by "g of x" yields a (*) constant term. The quicksort algorithm runs in linearithmic, or this operator of $n \log n$, time. For 10 points, name this notation, used for analyzing the efficiency of computer algorithms or a function's asymptotic behavior.

ANSWER: **Big-O** notation [accept **big-omicron** notation; prompt on **O** or **asymptotic notation** before "asymptotic" is read; do not accept or prompt on "little-O" or "big-omega"] <EC>

TB.

Patrick Blossom proposed a plan to reform this state's schools, which was rejected under pressure from the Capital Citizens' Council. In this state, Lynn Davis led raids on gambling facilities at Hot Springs. In the 1960s, this state's Senator, Chair of the Foreign Relations Committee William (*) Fulbright, led opposition to the Vietnam War. In this state, the 101st Airborne Division was federalized to force Orval Faubus to allow black students to attend school. For 10 points, name this state, where the Little Rock Nine integrated schools in 1957.

ANSWER: **Arkansas** <PO>

BONUSES

1.

A poem titled for this location includes a line inspired by the quote “Do all men kill the things they do not love?” from Shakespeare’s *The Merchant of Venice*. For 10 points each:

[10] Name this location, where a letter addressed to a pseudonymous “Bosie” was written.

ANSWER: **Reading Gaol** (“RED-ing jail”) [prompt on **jail**, **prison**, etc.]

[10] “The Ballad of Reading Gaol (“jail”)” is by this Irish author of *The Importance of Being Earnest* and *The Picture of Dorian Gray*.

ANSWER: Oscar **Wilde**

[10] This play by Wilde sees Lord Darlington say, “We are all in the gutter, but some of us are looking at the stars.” In this play, Mrs Erlynne reveals herself in order to keep her daughter from being shamed when the title object is found.

ANSWER: **Lady Windermere’s Fan** <RY>

2.

The person after whom this quantity is named was also the first to decipher cartouches of Egyptian hieroglyphics.

For 10 points each:

[10] Name this quantity equal to force times original length over the quantity “area times change in length.”

ANSWER: **Young’s modulus** [do not prompt on partial answer]

[10] Young’s modulus measures stiffness, or the proportion between force per unit area and this other quantity, often called deformation.

ANSWER: **strain**

[10] Strain is a unitless quantity, but stress isn’t! Given that stress is equal to force over area, give the name for its SI derived unit, the same as the SI unit for pressure.

ANSWER: **pascal** [prompt on **Pa**] <DM>

3.

Pieter de Hooch painted “A Woman Peeling” this fruit, and it is commonly depicted in still-lives. For 10 points each:

[10] Name this fruit, which blocks a man’s face in René Magritte’s *The Son of Man*.

ANSWER: **apples** [accept specific types of apple]

[10] This Post-Impressionist painter often included apples in his many still-lives, such as *The Basket of Apples* and *Rideau, Cruchon et Compotier*.

ANSWER: Paul **Cézanne**

[10] Cézanne also painted several landscapes of Mont Sainte Victoire, including one titled for this type of structure “of the Arc River Valley.” He also included this type of structure on the right side of his *Mont Sainte-Victoire Seen from Bellevue*.

ANSWER: **viaduct** [prompt on **bridge** or **railway bridge**] <CO>

4.

Name the following about the four “dogs of war” of Temujin Borjigin, for 10 points each:

[10] Jebe first caught Temujin’s attention after fearlessly saying that he had shot him in the neck during Temujin’s unification of their common people, this ethnic group. Temujin took the title Genghis Khan after unifying them.

ANSWER: **Mongols** [do not accept or prompt on “Mongolians” because that is a nationality, not ethnic group]

[10] This general and his brother Jelme were two other “dogs.” This general defeated the Jin Dynasty and led the Mongol invasion of Europe with Batu Khan. He conquered the most land of any single general in history.

ANSWER: **Subotai** Bagatur or **Subotai** the Valiant [accept **Sübedei**, **Sübügätäi**, **Sübü’ätäi**, and anything similar]

[10] This name was shared by the final dog of the four and with the Mongol ruler who launched a failed invasion of Java in 1293. That latter man succeeded Möngke in his highest post.

ANSWER: **Kublai** [accept **Hubilai** or **Qubilai**] <DM>

5.

Brrrr! For 10 points each, name some Arctic islands.

[10] This island is the largest in Canada and Somerset Island borders it to the west. Iqaluit is located on this island at the mouth of Hudson Bay, and mountains on it include Mount Thor and Mount Odin.

ANSWER: **Baffin** Island

[10] This archipelago of Arctic islands is home to the Global Seed Vault, a repository of the world’s seeds for preservation and study, on its largest island of Spitsbergen.

ANSWER: **Svalbard**

[10] This Russian island is thought to be the last place where mammoths survived, and the closest land to it is Herald Island. It is bordered by the East Siberian Sea to the west and the Chukchi Sea to the east.

ANSWER: **Wrangel** Island <BC/PO>

6.

Each of these figures had skin that was either golden, white, red, blue, or black. For 10 points each:

[10] Name these 24 ford-makers whose lives are marked by five auspicious events. The first of these figures lived for approximately 600 quadrillion years.

ANSWER: **tirthankaras**

[10] Name this 24th and last tirthankara, who attained omniscience under a sāla tree. His name translates as “great hero” or “great warrior” because of how he defeated his inner demons.

ANSWER: **Mahavira** [accept **Vardhamana**, **Navaputta**, **Muni**, **Samana**, **Niggantha**, **Bhagavan**, **Araha**, or **Veyavi**, and generously prompt on **Brahman**]

[10] Of course, the Mahavira would never be a literal warrior because of this practice, the Jain term for universal compassion, kindness, and nonviolence.

ANSWER: **ahimsa** <AJ>

7.

In one of this author’s works, fifteen boys are barricaded inside a plague-afflicted village and left to die. For 10 points each:

[10] Name this author of *Nip the Buds, Shoot the Kids*.

ANSWER: Kenzaburo **Oe** [(“OH-ay”), be generous]

[10] Oe’s novel *A Personal Matter* was inspired by his son Hikari, who had this condition. Signs of this condition include communication and social disabilities.

ANSWER: **autism**

[10] In *A Personal Matter*, the teacher Bird begins an affair with this ex-girlfriend of his, after his brain hernia-afflicted newborn son survives, despite medical predictions.

ANSWER: **Himiko** <RY>

8.

This palace has a full 1441 rooms and contains the “Roman Ruin.” For 10 points each:

[10] Name this Baroque palace first created by Leopold I, replacing the previous hunting lodge and small palace created by Eleonora Gonzaga. It was painted a characteristic shade of cream yellow.

ANSWER: **Schonbrunn** Palace

[10] Name this longest reigning Emperor of Austria, born in the Schonbrunn Palace. He died in 1916 and was the first emperor of a unified Austria-Hungary.

ANSWER: **Franz Josef I** [prompt on **Franz Josef**]

[10] The Schonbrunn palace is in this city, still the capital of Austria.

ANSWER: **Vienna** <DM>

9.

Objectively measured evidence is often known by the adjectival form of this philosophy. For 10 points each:

[10] Name this philosophy, which promotes an understanding of the universe based on directly observable truths. Proponents of this philosophy include John Locke.

ANSWER: **empiricism**

[10] According to empiricism, every object can be described using these characteristics, which include color, sound, smell, and texture. Unlike primary qualities, they are not objectively measurable but are observed differently by every individual.

ANSWER: **secondary** qualities [accept word forms for qualities; response MUST CONTAIN **secondary**]

[10] George Berkeley claimed that something could be considered real if this thing could be done to it. According to Descartes, facts are defined by having clear and distinct forms of this action applied to them.

ANSWER: **perception** [accept word forms] <AJ>

10.

For 10 points each, name some things about Brexit.

[10] To avoid the hardening of the border between this constituent country and its southern neighbor, a backstop has been arranged. This constituent country’s capital is Belfast.

ANSWER: **Northern Ireland** [do not accept “Ireland” or “Republic of Ireland”]

[10] In March 2017, Theresa May triggered an article of this number to begin Brexit. In the Treaty of the European Union, the article of this number lets any country withdraw if they wish to do so.

ANSWER: Article **50** of the Treaty of the European Union

[10] Theresa May said that the UK after Brexit it would not become a permanent member of this group of countries who can participate in the EU single market. Norway and Iceland are members of this group not in the EU.

ANSWER: **E**uropean **E**conomic **A**rea <BKC>

11.

Navy! Periwinkle! Cerulean! Name some authors of literary works with “Blues” in the title, for 10 points each:

[10] This poet wrote a work called “Funeral Blues,” which opens “Stop all the clocks, cut off the telephone.” He also wrote a poem which declares “We must love one another or die.”

ANSWER: W. H. **Auden** [the other poem is “September 1st, 1939”]

[10] This African-American poet of the Harlem Renaissance wrote “The Weary Blues,” as well as poems like “The Negro Speaks of Rivers.”

ANSWER: Langston **Hughes**

[10] This author wrote a short story called “Sonny’s Blues,” in which the title musician struggles with a heroin addiction.

ANSWER: James **Baldwin** <RY>

12.

For 10 points each, name the following doubly-ionized elements in space.

[10] “Forbidden” green spectral lines initially thought to be emitted by a new element, “nebulium,” were instead due to a doubly ionized version of this element that could only exist in low-density space. This element's unionized (“UN-i-on-ized”) form has 8 total electrons.

ANSWER: **oxygen**

[10] Variable stars change brightness due to the kappa-mechanism, changes between this element’s singly and doubly ionized forms, which have different opacity, at their outer portion.

ANSWER: **helium**

[10] Regions of the doubly ionized form of this element tend to be giant molecular clouds and hotspots of star formation. This element is the lightest and most abundant one in the universe.

ANSWER: **hydrogen** <DM>

13.

For 10 points each, name the following about the centum-satem split.

[10] The word “satem” belongs to the Avestan language, which is known only from its use in this religion’s scripture. For example, this religion’s maxim, “Humata, Hukhta, Huvarshta,” is in Avestan, also the source of the word “atar.”

ANSWER: **Zoroastrianism**

[10] The centum-satem split refers to the word for this number in Avestan and Latin. In the word for this number in English, the initial “c” in centum became an “h.”

ANSWER: **100**

[10] This branch of Indo-European languages was once spoken in the Tarim Basin and consisted of centum languages, showing that the centum-satem split is not a true familial or geographic distinction.

ANSWER: **Tocharian** (“tuh-KER-ee-an”) <DM>

14.

“Richmond is a Hard Road to Travel” is a Confederate Civil War song detailing all of the failed Union attempts to take Richmond. For 10 points each:

[10] “The contraband was right when he said that they would fight” refers to the enlistment of these people, especially following the Emancipation Proclamation. They still dealt with segregation and racism in Union ranks.

ANSWER: freed **slaves** [accept equivalents like **freedmen**; prompt on **African-American** people or any equivalent]

[10] “Wooly-horse” in the song refers to this man, who led the earliest Shenandoah Valley campaign. He is more well known as for exploring the Pacific Northwest in the 1840s and as the first Republican presidential candidate.

ANSWER: John C. **Fremont**

[10] The song states that “[this general] bold and gay, set forth the shortest way, by Manassas.” That campaign’s failure came with this general’s defeat at the First Battle of Bull Run.

ANSWER: Irvin **McDowell** <DM>

15.

This condition is often diagnosed in rodents by using a swim test. For 10 points each:

[10] Name this psychiatric disorder characterized by a lack of energy and an increase in sadness. Its opposite is mania.

ANSWER: **depression** [accept general **depressive** disorder]

[10] Depression is often treated using these drugs, which are thought to increase extracellular levels of the neurotransmitter serotonin.

ANSWER: **SSRIs** [or **selective serotonin reuptake inhibitors**]

[10] Another common treatment of depression is this psychological technique, developed by Aaron Beck and Albert Ellis, which involves gradual exposure to uncomfortable situations to change patterns of thought.

ANSWER: **CBT** [or **cognitive behavioral therapy**, prompt on partial] <AJ>

16.

While the girl Helle (“HELL-ee”) was riding on the back of this mythological animal, escaping her murderous step-mother, she fell off, falling and drowning in what is now called the Hellespont. For 10 points each:

[10] Name this animal whose pelt was sought by the Argonauts.

ANSWER: the **ram** with the **Golden Fleece** [both parts required; accept **sheep** in place of **ram**; prompt on partial]

[10] The ram was sired by this Greek god of the sea, who lost a competition with Athena when his spring turned out to have salt water.

ANSWER: **Poseidon** [do not accept “Neptune”]

[10] While the Argonauts were sailing, they met this blind king of Thrace whose food was stolen by Harpies daily. The Argonauts Calais and Zetes helped this king out by chasing the harpies away.

ANSWER: **Phineus** <RY>

17.

BWV 1053 has had this technique done on it in two ways. For 10 points each:

[10] Name this technique, in which musical scholars attempt to recreate the original form of a piece given a later one. Following its completion, the new piece’s numerical catalog number often is marked with the letter “r.”

ANSWER: **reconstruction** [accept only exact word and word forms; prompt on synonyms]

[10] Reconstruction is often done on this composer’s works, which are cataloged by the BWV system. He was contemporaneous with Vivaldi and Handel.

ANSWER: **Johann Sebastian Bach** [prompt on partial answer]

[10] BWV 1053, Bach’s Harpsichord Concerto in E Major, has been reconstructed for two instruments pitched in A and C in this family within the woodwinds. The main modern instruments in this family are pitched in C and F.

ANSWER: **oboe** <DM>

18.

This quantity can be defined as the mean of the first ionization energy and electron affinity. For 10 points each,

[10] Name this quantity that measures how much an atom attracts electrons to itself. Fluorine has the highest value of this quantity.

ANSWER: **electronegativity**

[10] This scientist’s namesake scale is used to measure electronegativity. He is the only person to have won two unshared Nobel prizes and mistakenly believed that DNA was a triple helix.

ANSWER: Linus **Pauling**

[10] This scientist’s namesake rules can be used to calculate effective nuclear charge, which is multiplied by 3590 and put over covalent radius squared, then added to 0.744, to find Allred-Rochow electronegativity.

ANSWER: John C. **Slater** <BC>

19.

Let's go back to medieval England and France! For 10 points each:

[10] This French king, son of Adela, took back much of England's territory in modern day France at the Battle of Bouvines and planned an invasion of England, though these plans were scrapped. He also waged the Albigensian Crusade.

ANSWER: **Philip II** [accept **Philip Augustus** or **Philippe Auguste**]

[10] This empire, starting in England and eventually stretching from Scotland to the Pyrenees was ruled by Henry the Second and his successors before Philip the Second of France won the Anglo-French war.

ANSWER: **Angevin** Empire

[10] King John of the Angevin Empire had to sign this charter after a failed attempt to reconquer Normandy and Touraine. This charter granted numerous rights and liberties to the barons and church and stated that the ruling monarch of England was not above the law.

ANSWER: **Magna Carta** Libertatum [accept **Great Charter**] <BKC>

20.

This character finds the severed finger of the murdered Sister Dorothea and is falsely convicted of killing her. For 10 points each:

[10] Name this character whose voice can shatter glass and refuses to grow up after he turns three.

ANSWER: **Oskar Matzerath**

[10] Oskar Matzerath appears in *The Tin Drum*, the first book of the Danzig Trilogy by this author.

ANSWER: Gunter **Grass**

[10] In *Dog Years*, the third part of the Danzig Trilogy, Eduard collects military outfits to put on these items. One of these items is brought to life by Mother Rigby in Nathaniel Hawthorne's short story "Feathertop."

ANSWER: **scarecrows** <RY>

TB.

Name some things about combining colored lights, for 10 points each:

[10] If one combines the colors of the visible spectrum, light of this color results. Alternatively, one can mix the primary colors of light together to get this color.

ANSWER: **white**

[10] If one additively combines red and green light, this color light results.

ANSWER: **yellow**

[10] Name any of the other secondary colors of light. You may also know them as the colors of paint in the CMYK color model.

ANSWER: **magenta** or **cyan** <DM>