

Bulldog High School Academic Tournament 2016 (XXV): "Pencil and paper ready..."

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Packet 13 Tossups

1. **This material was used to make realistic human heads by the Nok culture. A set of sculptures made in this material was originally supposed to be surrounded by one hundred "rivers" of mercury. It was used to make the Mesopotamian Burney Relief and the Greek Tanagra figurines. This material was traditionally used in Mediterranean (*) roofing tiles and is still used for flower pots. A set of five hundred horses and eight thousand men made of this material was found in Xi'an ("SHEE-an") in 1974. For 10 points, name this material used to make an "army" that protects Qin ("chin") Shihuangdi's tomb.**

ANSWER: **terracotta** [accept **Terracotta Army** or similar answers; prompt on "ceramic," "clay," or "earthenware"] <JR>

2. **This man argued that the "mischiefs" of a problem could be solved by either "removing its causes" or "controlling its effects." One of this man's propositions was altered by John Rutledge in the Committee of Detail. He took the most extensive notes during the Philadelphia Convention, and, with Thomas Jefferson, formed the (*) Democratic-Republican Party. This man, along with Alexander Hamilton and John Jay, wrote the Federalist Papers. As president, he led the U.S. through the War of 1812. For 10 points, name this fourth president, who proposed the Virginia Plan and the Bill of Rights.**

ANSWER: James **Madison**, Jr. <LL>

3. **The goddess of this activity is Palaestra, a daughter of Hermes. At Pelias' ("PELL-ee-us") funeral games, Peleus ("PEE-lee-us") was defeated in this activity by Atalanta. When Alcestis sacrificed herself to allow her husband to live, Heracles challenged Death at this activity and successfully brought Alcestis (*) back to life. Achilles' armor was awarded on the basis of this activity. In order to defeat Gaea's son Antaeus in this activity, Heracles had to lift him off the ground before strangling him. For 10 points, name this common sport in Greek mythology, which required no equipment.**

ANSWER: **wrestling** match <CX>

4. **According to kinetic theory, this number is the highest possible molecularity for common elementary reactions. For a reaction of this order, the *reciprocal* of the reactant concentration increases linearly in time. Glycols have this many hydroxyl groups. This order derivative of the titration curve changes (*) sign at the equivalence point. Oxalic acid and malic acid have this many acidic hydrogens. This is the number of oxygens in a carboxylic acid group. Ethylene has this many carbons, and alkenes have at least one bond of this order. For 10 points, give this number of atoms in the usual molecular form of iodine, hydrogen, and oxygen.**

ANSWER: **two** [or **second** order] <SE/JR>

5. **At the beginning of one book, this author describes indirectly witnessing a homosexual encounter between the young Jupien and the Baron Charlus. One of his characters obsesses over a "little phrase" in a fictional violin sonata. This author's *The Fugitive* is sometimes titled *Albertine Disparue*. His protagonist is infatuated with Gilberte, Odette's daughter, but then switches to the Duchesse de (*) Guermantes. In this author's *Swann's Way*, the protagonist has vivid memories of his childhood in Combray after dipping a madeleine into some tea. For 10 points, name this early twentieth-century French author of the very long autobiographical novel *In Search of Lost Time*.**

ANSWER: (Valentin Louis Georges Eugène) Marcel **Proust** <JR>

6. A member of this dynasty was notoriously stingy and employed John Morton to implement his tax policy. That member of this dynasty married his daughter Margaret to James IV in the improbably-named Treaty of Perpetual Peace. Another member of this dynasty had the Marquess of Dorset attempt to take Aquitaine and later sieged Tournai. That member of this dynasty dismissed his chancellor (*) Thomas Wolsey and appointed Thomas Cranmer as Archbishop of Canterbury. The final member of this dynasty claimed to have "the heart and stomach of a king" and defeated the Spanish Armada. For 10 points, name this family name of Henry VIII and Elizabeth I.

ANSWER: House of Tudor <LL>

7. One of these animals brings to mind "the thought of annihilation" with an indefiniteness that recalls the "depths of the milky way." The suspended heads of two of these animals are respectively called "Stoic" and "Platonian." After cooking part of one of these animals, a sermon is delivered by the cook Fleece. One of these animals kills (*) Fedallah. Tashtego falls into one of these animals. Stubb and Flask kill two of these animals. Starbuck tries to avoid one of these animals, which ends up destroying the *Pequod*. For 10 points, name this kind of animal, a white one of which is hunted by Captain Ahab and named Moby Dick.

ANSWER: whales [accept sperm whales; accept right whales] <JR>

8. A "thermal" quantity with this dimension diverges to infinity in a Bose–Einstein condensate. The barn is a unit in scattering theory whose units include this dimension squared. The expression " h over $m\cdot c$ " describes another quantity with this dimension, which appears in Compton scattering. A scale for this dimension given by Planck's constant over momentum was hypothesized by de Broglie and describes matter waves. All non-electromagnetic quantities can be constructed by combining this dimension with (*) time and mass. For example, velocity equals this dimension divided by time. For 10 points, identify this type of physical quantity usually measured in feet or meters.

ANSWER: length [or distance; or displacement; accept wavelength; accept specific units of length such as meters, centimeters, or feet; prompt on "size"] <SE>

9. One man in this country attempted to fight crime in the "striking the black" campaign. After visiting this country's National Museum in 2012, this country's leader started promoting its namesake "dream." The wife of a politician from this country killed Neil Heywood. In 2015, a city in this country was hit by a landslide from a huge trash mountain. Ethnic minorities like the (*) Uighurs were largely exempt from a famous policy in this country. This country is where Tencent developed the apps QQ and WeChat. On October 29th, 2015, this country ended its one-child policy. For 10 points each, name this country currently headed by Xi Jinping.

ANSWER: People's Republic of China [or PRC; or Zhongguo; do not accept or prompt on "Republic of China"] <LL>

10. The properties of one of these shapes derived from a conic section are given by Pascal's Theorem. This figure is the least-sided regular shape that *cannot* form a Platonic solid. The densest packing of spheres is achieved in either the face-centered cubic lattice, or the (*) close-packed lattice named for this shape. Its regular form has the most sides of any regular shape that can tessellate the plane. In the regular case, its area is equal to "three root-three, over two-times side-length squared." This polygon has fifteen diagonals and its internal angles sum to 720 degrees. For 10 points, name this polygon with six sides.

ANSWER: regular hexagon <AF>

11. **This modern country is home to the ancient temples of Huaca del Sol and Huaca de la Luna. An empire in this modern country had its capital at the largest adobe city in the world, Chan Chan. An empire from this country was organized into extended family groups called *ayllu*. The Moche culture and Chimu empire were both from this country, where massive earth art was made by the (*) Nazca culture. An empire in this country kept records using knotted strings called *quipu*. That empire in this country had its capital at Cuzco and was conquered by Francisco Pizarro. For 10 points, name this modern-day country where the Incas built Machu Picchu.**
ANSWER: Republic of Peru [or República del Perú] <JR>

12. **This poet noted that "At every word a reputation dies" in a poem that mockingly begins "What dire offence from amorous causes springs, what mighty contests rise from trivial things!" In another poem, he cautioned "be silent always when you doubt your sense" and "fools rush in where angels fear to tread." This poet originated the lines "A little (*) learning is a dangerous thing" and "To err is human, to forgive divine." He wrote a mock-epic poem in which the Baron cuts off some of Belinda's hair. For 10 points, name this eighteenth-century English poet of "An Essay on Criticism" and *The Rape of the Lock*.**
ANSWER: Alexander Pope <JR>

13. **In this movie, a woman on the intercom announces a found blue cashmere sweater while a doctor walks past a Hilton in a hallway full of red chairs. Its protagonist breaks a glass by knocking it off a table; when he bends down, he sees his older self lying in bed. An intensely dissonant (*) Ligeti piece is interrupted by a high-pitched radio squeal at the end of its second section. This film's villain dies singing "Daisy." In its first section, Strauss's *Also Sprach Zarathustra* plays while a monolith-enlightened ape smashes stuff with a bone. For 10 points, name this movie in which the spaceship computer HAL says "I'm sorry, Dave; I can't do that," directed by Stanley Kubrick.**
ANSWER: 2001: A Space Odyssey <JR>

14. **The protagonist of this movie does *not* advise a customer to go to Norma Wilcox and file a WS2475 form. One character in this movie calls supermodels "spoiled, stupid little stick figures with poofy lips who only think about themselves." A character in this movie is told "my *evening* is in danger" and "I'm the greatest (*) good you're ever going to get!" During a race in this movie, a family alternately cheers to go faster and slow down. The protagonist of this movie is scolded by Edna for asking for a cape. The villain of this movie, Syndrome, intends to make everyone "super," so then no one will be. For 10 points, name this 2005 Pixar film about a family of superheroes.**
ANSWER: *The Incredibles* <MK/JR>

15. **This composer wrote a standalone overture honoring Walt Whitman. He adapted one of his pieces as the hymn *Thaxted*, which sets a poem by Cecil Spring Rice. This composer's interest in Indian religion led to pieces like the *Rig Veda Hymns*. Many of his pieces, such as his *Brook Green Suite*, were written during his term as a music teacher at St. (*) Paul's Girls School. He originally wrote the tune for "I Vow to Thee, My Country" to depict a "Bringer of Jollity." His most famous piece begins by using five-four time to depict "The Bringer of War": Mars. For 10 points, name this early twentieth-century English composer of *The Planets*.**
ANSWER: Gustav (Theodore) Holst [or Gustavus Theodore von Holst] <CX>

16. **One of these people goes to be bled by his Prioress cousin, but she instead lets him bleed out. That one of these people demonstrates his archery skills at Prince John's tournament, and hosts King Richard. The leader of a group of these people is killed by Marjanah. Another of these people is betrayed by Spiegelberg and accidentally kills his love (*) Amalia.** Karl Moor joins several of these people in a late *Sturm und Drang* play by Schiller. A story about forty of these people was added to the *Arabian Nights*. Ali Baba uses the phrase "open sesame" to enter a "den" of these people. For 10 points, name this profession of Robin Hood.

ANSWER: robbers [or thieves; accept outlaw or bandit; accept obvious equivalents] <JR>

17. **This man attacked the author of *Dialogues on the Trinity and Errors of the Trinity*. Most of this man's writings were collected posthumously by Theodore Beza. Later in his life, this man was recruited by William Farel. He was heavily influenced by his time in Strasbourg with Martin (*) Bucer.** He had Michael Servetus burned at the stake. This man's doctrines were codified at the Synod of Dort, which proposed "total depravity" and "unconditional election." He reached out to Luther in later editions of his *Institutes of the Christian Religion*. For 10 points, name this believer in Predestination who led the Reformation in Geneva.

ANSWER: John Calvin [or Jehan Cauvin] <JR>

18. **Hydrangeas will have blue flowers if their growth medium has this property. COPD, asthma, and hypercapnia can lead to blood having this property. An increase in one form of this property is primarily responsible for the increase in the carbonate compensation depth and has hurt coccolithophore populations. The Revelle factor, which measures resistance to absorption of (*) carbon dioxide, is useful in studying this condition in the ocean.** Like temperature changes, this condition causes coral bleaching and dissolving of animal shells. For 10 points, name this property in which a substance has a pH below seven.

ANSWER: acidity [accept word forms; accept ocean acidification] <AF>

19. **Several forms of this faculty are localized in the entorhinal cortex. This faculty takes place chemically via LTP. One type of this faculty was modeled by Baddeley and Hitch, and Atkinson and Shiffrin. This faculty was extensively manipulated by Elizabeth Loftus. It can be classified as (*) "procedural" or "declarative."** The reversal of this faculty was modelled by Hermann Ebbinghaus. The "magic number seven plus or minus two" characterizes its "working" type. Another type of it is localized to the hippocampus. This process is schematized as "encoding," "storage," and "retrieval." For 10 points, name this mental ability that is lost in amnesia.

ANSWER: memory [accept word forms, including memorization; prompt on "learning"] <JR>

20. **One of these people suggested that the Spartan Gerousia scrape wax off an apparently blank tablet, revealing the carved message that Xerxes was marching to war. Cynisca was the first of these people to win at the Olympic Games. Hyperides defended one of these people named Phryne in trial. Some of them gained power by becoming *hetairai*. A secret assembly of them is depicted in the (*) *Thesmophoriazusae*.** Although he did not consider them to be slaves, Aristotle thought that these people were "utterly useless and [worse] than the enemy." Thucydides claimed that "the greatest glory" for these people was to be least talked about. For 10 points, name these non-males.

ANSWER: women [accept females or other reasonable equivalents; prompt on "*hetaira*" before that word is said] <CW>

Tiebreaker

21. **This author wrote the lines "Lover, gold-hatted, high-bouncing lover, I must have you!" under the pseudonym of his character Thomas Parke D'Invilliers. One of this author's characters falls "halfway in love" with an "incurably dishonest," cynical woman. Another of his characters "knew when to stop," since he has real books with uncut pages. In one of his novels, the (*) "Eyes of Dr. T.J. Eckleburg," look onto a Valley of Ashes, and a car accident kills Myrtle Wilson, the mistress of Tom Buchanan. In that novel by this author, the title character stares at a green light, and lives in West Egg next door to Nick Carraway. For 10 points, name this American author of *The Great Gatsby*.**

ANSWER: F. Scott **Fitzgerald** [Francis Scott Key Fitzgerald] <JR>

Packet 1 Bonuses

1. The original title of this novel was "Fiesta." For 10 points each:

[10] Name this first major novel by Ernest Hemingway. In it, Lady Brett Ashley has romantic entanglements with Mike Campbell, Pedro Romero, and the narrator, Jake Barnes, while they are all in Spain.

ANSWER: The *Sun Also Rises*

[10] In *The Sun Also Rises*, the main characters attend the Festival of San Fermin in this Spanish city, where they see the running of the bulls.

ANSWER: Pamplona

[10] Like Hemingway himself, the characters in the novel spend a lot of time doing this activity, which Jake and his friends call "utilizing."

ANSWER: drinking [accept reasonable equivalents like imbibing or getting drunk] <ON>

2. Answer some questions about the collapse of the Confederacy in the West, for 10 points each.

[10] This man was head of the Confederate Army of the Tennessee for the first half of 1864, until he was replaced by John Bell Hood. He fought William Tecumseh Sherman at Kenesaw Mountain and New Hope Church.

ANSWER: Joseph E. Johnston [do not accept or prompt on "Albert Sidney Johnston"]

[10] Johnston was replaced after failing to adequately defend *this* important railroad city in Georgia. After taking this city, Sherman began his March to the Sea, which ended at Savannah.

ANSWER: Atlanta

[10] Earlier, Joseph Johnston failed to break this man's successful siege of Vicksburg. In 1862, this man beat Albert Sidney Johnston and P.G.T. Beauregard at the Battle of Shiloh.

ANSWER: Ulysses S. Grant [or Hiram Ulysses Grant] <LL>

3. In general, this term can be applied to any non-crystalline, amorphous solid. For 10 points each:

[10] Identify this term, which more commonly refers to hard, transparent materials. Older samples often contained lead oxide to increase their brilliance.

ANSWER: glasses

[10] Vitrification, the process of rapidly cooling a material to form a glass, is one of *these* processes. These processes often occur when crossing a coexistence curve, and involve the absorption or release of latent heat.

ANSWER: phase transitions

[10] Microscopically, glasses are characterized by *not* having a unique one of these configurations. If one of these configurations exists, it is the lowest-energy solution to the Schrödinger equation and contains no excitations.

ANSWER: ground state <SE>

4. Paul Ekman argued that there are six basic varieties of this kind of experience based on his research with facial expressions. For 10 points each:

[10] Name these states of mood. The depiction of these states in the movie *Inside Out* was based on Ekman's ideas.

ANSWER: emotions

[10] A large portion of emotional processing is localized to *this* component of the limbic system. Joseph E. LeDoux and other researchers showed that the fear reaction comes from this part of the brain.

ANSWER: amygdalae

[10] Perhaps unsurprisingly, differing emotional states have been linked to changes in the pattern of *these* very quick eye motions. Researchers often "map" these movements to see how our eyes move when we read or look at pictures.

ANSWER: saccades <JR>

5. This composer wrote anxious music to undercut one of his characters singing "Calm returns to my heart." For 10 points each:

[10] Name this composer of *Iphigénie en Tauride*. In the 1760s, he carried out a reform of opera with the librettist Ranieri de' Calzabigi.

ANSWER: Christoph Willibald **Gluck**

[10] Gluck's prize pupil was Antonio Salieri, who is unfortunately most famous for being depicted trying to perform *this* action in the movie *Amadeus*. This action targeted the composer of *Eine kleine Nachtmusik*.

ANSWER: **killing** Wolfgang Amadeus **Mozart** [accept reasonable equivalents, including "**poisoning Mozart**"; just in case, his full name is Johannes Chrysostomus Wolfgangus Theophilus **Mozart**]

[10] This wild French composer showed his fanaticism for Gluck throughout the opera *Les Troyens*. He also wrote *The Damnation of Faust*, *L'enfance du Christ*, and a symphony that includes a "March to the Scaffold."

ANSWER: Hector-(Louis) **Berlioz** <JR>

6. This celestial object was identified as a pool of cow's milk by the Egyptians and a "Silver River" in East Asia. For 10 points each:

[10] Name this galaxy home to the Solar System.

ANSWER: the **Milky Way**

[10] In Chinese mythology, a bridge made of these animals fords the Milky Way once a year to allow the Cowherd and Spinning Maid to meet. Another example of this type of animal rises from its own ashes.

ANSWER: **birds** [accept **magpies** or **phoenixes**]

[10] In Vedic tradition, the Milky Way represents the abdomen of one of these marine mammals. Dionysus turned the pirates that attempted to kidnap him into these creatures.

ANSWER: **dolphins** <CX/AF>

7. Answer some questions about the early history of Canada, for 10 points each.

[10] This English explorer of the early 1600s charted a namesake bay in modern Canada, as well as the river that flows through modern New York City.

ANSWER: Sir Henry **Hudson**

[10] One of the major steps to Canadian independence was a pair of rebellions named for *this* year. Earlier in this year, the Specie Circular had helped trigger a major financial panic in the United States.

ANSWER: **1837**

[10] After the rebellions, Lord Durham reported that Canada's problems derived from the conflict between these *two* groups of people. More recent clashes between them were sparked by the FLQ and included the October Crisis.

ANSWER: **English** speakers AND **French** speakers [accept reasonable equivalents like "**anglophones** AND **francophones**", but BOTH answers are required; accept answers referring to "**Québécois** people" or "people from **Québec**" instead of "French speakers"] <JR>

8. Answer some questions about the history of Italian theater, for 10 points each.

[10] One of the major works of Italian Renaissance comedy was this author's play *The Mandrake*. He is more famous for philosophical works like *The Prince*.

ANSWER: Niccolò (di Bernardo dei) **Machiavelli**

[10] In the seventeenth and eighteenth centuries, Italian comedy was dominated by this form of improvised theater. It features stock characters like Harlequin, Pierrot, and Pulcinella, who gave rise to "Punch and Judy" shows.

ANSWER: **commedia dell'arte**

[10] This twentieth-century Italian playwright was heavily influenced by *commedia dell'arte* tropes and techniques in plays like *Tonight We Improvise*. In his most famous play, a theatre troupe tries to rehearse the play *Mixing It Up*.

ANSWER: Luigi **Pirandello** <JR>

9. In the fifteenth century, many artists depicted checkerboard floors to show off their mastery of this technique. For 10 points each:

[10] Name this technique of accurately representing objects at different distances by varying size and using foreshortening.

ANSWER: **perspective** [accept more specific answers like "**linear perspective**"]

[10] One of the major achievements of *this* period was the "discovery" of the geometry of perspective. This "rebirth" of Classical learning ended the Middle Ages and started in Italy during the fourteenth and fifteenth centuries.

ANSWER: the **Renaissance** [or **Rinascimento**]

[10] In linear perspective, parallel lines are depicted as meeting at *this* point. This is the "point" in the name of one-point perspective.

ANSWER: **vanishing** point <JR>

10. Let's work with gas laws, for 10 points each.

[10] Most of the gas laws you work with in AP Chemistry are components of the equation of state for one of *these* theoretical gases. They satisfy the assumptions of the kinetic theory of gases.

ANSWER: **ideal** gas [or **perfect** gas]

[10] According to Boyle's law, increasing the volume of a gas while holding other parameters constant will have *this* effect.

ANSWER: the **pressure** will **decrease** [prompt on answers like "change the pressure"; accept equivalents like "**pressure drop**" or "the **pressure goes down**"]

[10] For gases escaping through a small hole, the rate of effusion is inversely proportional to *this* property of the gas particles, according to Graham's law.

ANSWER: square **root** of the **mass** [accept "square **root** of *m*"] <JR>

11. In this poem, the speaker's "heart in hiding stirred for a bird." For 10 points each:

[10] Name this sonnet by Gerard Manley Hopkins. Its title bird is described as "morning's minion, king-dom of daylight's dauphin, dapple-dawn-drawn Falcon."

ANSWER: "The **Windhover**"

[10] "The Windhover," like several of Hopkins' works, uses "sprung rhythm," in which *this* unit of poetic meter varies. Examples of these units include iambs, trochees, and dactyls.

ANSWER: poetic **feet** [or **foot**]

[10] "The Windhover" has *this* many feet in a line. Most of Shakespeare's works are written with *this* many iambs to a line.

ANSWER: **five** [accept iambic **pentameter**] <JR>

12. Answer some questions about French president Georges Pompidou, for 10 points each.

[10] Pompidou sponsored several modernizing projects in this capital city, including the construction of its Tour Montparnasse.

ANSWER: **Paris**

[10] Pompidou succeeded *this* man as President. The Fourth Republic collapsed in 1968 during *this* man's presidency.

ANSWER: Charles **De Gaulle**

[10] Pompidou died one year after the "first oil shock" in *this* year. The TGV was made electric due to the oil crisis of *this* year.

ANSWER: **1973** <JR>

13. This piece includes a setting of the "Quoniam" for the strange ensemble of: bass singer, two bassoons, french horn, and continuo. For 10 points each:

[10] Name this piece that includes a "Crucifixus" over a repeating "*lamento*" bass pattern. Its usual name is a misnomer, since it is centered on and ends in D Major.

ANSWER: Bach's *Mass in B minor* [or BWV 232; accept "The Great Catholic Mass"; prompt on just "Mass" or "Bach Mass"]

[10] The *Mass in B minor* is mainly made up of retextings of movements from *these* shorter sacred works. Around two hundred of these sacred choral works survive by Bach.

ANSWER: sacred cantatas [or Kantaten]

[10] The "Laudamus Te" from the *Mass in B Minor* features a solo by this highest string instrument. It is also the soloist in Vivaldi's *Four Seasons*.

ANSWER: violins <JR>

14. Name some math prodigies, for 10 points each.

[10] In his youth, this polymath summed all the integers from 1 to 100 in a matter of seconds. Later in life, he "discovered" the method of least squares and the normal distribution, which usually bears his name.

ANSWER: (Johann) Carl Friedrich Gauss [accept Gaussian distribution]

[10] This English mathematician may not have been a "true" child prodigy, but he managed to formulate three laws of motion, discover the law of universal gravitation, and invent calculus by the time he was twenty-six.

ANSWER: Sir Isaac Newton

[10] This current UCLA professor got a 760 on the SAT Math section when he was only nine years old. With Ben Green, this Chinese-Australian proved that there are arbitrarily long progressions of prime numbers.

ANSWER: Terrence "Terry" Tao [accept Tao Chi-Shen] <AF>

15. Name some things about the longest running science-fiction TV show of all time, for 10 points each.

[10] First, name the show itself, which started airing in 1963. In it, the title man travels through time and space in the "TARDIS."

ANSWER: Doctor Who

[10] These pepper-shaker-shaped alien cyborgs first appeared in the second serial of *Doctor Who*. They are known for saying "EX-TER-MI-NATE!"

ANSWER: Daleks

[10] This man has played the latest incarnation of the Doctor since 2013. Before taking the role, he was best known for playing Malcolm Tucker in the comedy show *The Thick of It*.

ANSWER: Peter (Dougan) Capaldi <MK>

16. This payment was historically lumped together with *kharaj*. For 10 points each:

[10] Name this tax paid by *dhimmis*.

ANSWER: jizya

[10] Instead of paying the *jizya* tax, Muslims give this payment, which is somewhere between a tithe and a tax. It is one of the Five Pillars of Islam.

ANSWER: zakat

[10] The collecting of *jizya* and *zakat* are important components of this traditional Islamic law, which derives its authority from the Quran.

ANSWER: sharia law <JR>

17. This region was home to the Xianbei ("shyahn-bay"), Khitan, and Jurchen people. For 10 points each:

[10] Name this northernmost region of China. It is sometimes defined as the provinces Heilongjiang, Jilin, and Liaoning.

ANSWER: **Manchuria** [or **Manzhou**]

[10] The Changbai mountains separate Manchuria from this peninsula. Since the 1950s, it has been divided by the DMZ into a communist North and democratic South.

ANSWER: **Korean peninsula** [or **Hanbando**; or **Choseon Bando**]

[10] Manchuria is separated from Russia's Sakhalin Island by a strait with this name. This term was applied by Russians and Europeans to various Turkic peoples of central and northern Asia.

ANSWER: **tartars** [or **tatars**; accept **Strait of Tartary** and similar answers] <JR>

18. This region was ruled from Rouen. For 10 points each:

[10] Name this Duchy that became Christian under Rollo. It became part of northern France under Philip II Augustus.

ANSWER: **Normandy**

[10] This Duke of Normandy crossed the English channel in 1066 and defeated Harold Godwinson at the Battle of Hastings to become King of England.

ANSWER: **William the Conqueror** [or **William I**; or **William the Bastard**]

[10] Under leaders like Robert Guiscard, the Normans conquered this region. It was made a kingdom under Roger II.

ANSWER: **Sicily** [accept "**southern Italy**"; prompt on just "Italy"] <JR>

19. This biological process can occur via conjugation or transduction. For 10 points each:

[10] Name this kind of horizontal gene transfer, in which bacteria incorporate outside genetic material.

ANSWER: **transformation**

[10] Bacteria undergo transformation by uptaking *this* large molecule, which encodes genes. In prokaryotes like bacteria, this molecule is bundled into a circular chromosome.

ANSWER: **DNA** [or **deoxyribonucleic acid**; or **deoxyribosenucleic acid**]

[10] While conjugation is done by bacterial plasmids, transduction takes place via *these* viruses that infect bacteria.

ANSWER: **bacteriophages** <JR>

20. This author wrote a set of biographies of illustrious women. For 10 points each:

[10] Name this author of the *Teseida* and *Il Filostrato*.

ANSWER: Giovanni **Boccaccio** ("boh-CAH-chee-oh")

[10] Boccaccio is most famous for this collection of one hundred tales told by Florentines fleeing the Plague.

ANSWER: **Decameron**

[10] *Il Filostrato* was a major source for the story of these *two* Trojan lovers. They were the title characters of a long poem by Chaucer and a play by Shakespeare.

ANSWER: **Troilus** AND **Cressida** <JR>

Tiebreaker

21. This empire reached its height under Abbas the Great. For 10 points each:

[10] Name this "gunpowder empire" that ruled Persia. Its Qizilbash military lost the Battle of Chaldiran to the Ottomans.

ANSWER: **Safavid** Empire

[10] The Safavid conversion to the Twelver sect of this branch of Islam is the major reason for its prevalence in Iran today. This smaller of the two major branches of Islam holds that Muhammad's rightful successor was Ali.

ANSWER: **Shi'a** Islam [or **Shi'atu Ali**; or **Shi'ite**; accept **Shi'i**]

[10] This second Safavid shah integrated Caucasian elements into Safavid society. He reinforced central power by reducing the power of the Qizilbash.

ANSWER: **Tahmasp I** <JR>