

4. plexiglass

Answer: _amorphous_

5. potassium nitrate

Answer: _ionic_

20 POINT BONUS

19. One of the better films of 1994 consisted of 32 short pieces about a dead Canadian piano virtuoso. For the stated number of points--

1. First, for ten, name the pianist who was the subject of this film.

Answer: Glenn _Gould_

2. The 32 segments of "Thirty Two Short Films about Glenn Gould" is a reference to Gould's signature work, which consists of a theme repeated twice with thirty variations. For five points each part, name this Baroque masterpiece, and name its composer.

Answer: _Goldberg Variations_; J.S. _Bach_

30 POINT BONUS

20. For ten points each, name these pitchers who gave up famous home runs in the World Series.

1. In 1932, this Cub gave up Babe Ruth's alleged "called shot."

Answer: Charlie _Root_

2. This Yankee gave up Bill Mazeroski's series-winning homer in 1960.

Answer: Ralph _Terry_

3. This Phillie did the same against Joe Carter in 1993.

Answer: Mitch _Williams_

--===== _-1326003618==_=====

Content-Type: text/plain; name="09"; charset="us-ascii"

Content-Disposition: attachment; filename="09"

John's Complete Questions Packet #9 (Hard)

Toss-Ups

1. If you were a shoemaker who lived in Europe during the middle ages, you might have honored this obscure fifth-century martyr as your patron saint. If you were born on

October 25, you might know him as the saint on whose feast day your birthday falls. Otherwise, you would have little reason ever to have heard of him, except for the fact that October 25 is also the anniversary of the battle of Agincourt. FTP, name this saint who is repeatedly invoked by the title character in a famous speech from Shakespeare's Henry V.

Answer: St. Crispin

2. Because he insisted on recording even the most minute details, he could be boring in places- so much so that, according to legend, the Inquisition used to torture heretics by reading aloud to them from his Description of the Siege of Pisa. FTP, name this leading historian of the Italian Renaissance, whose History of Italy is a continuation of Machiavelli's Florentine Histories.

Answer: Francesco Guicciardini

3. As recently as 1991, Stephen Hawking declared that they could not exist, arguing that by definition, light should take an infinite time to escape from them, which would make them black holes. But in 1993, mathematician Matthew Choptuik proved otherwise, and in 1997, Hawking recanted. FTP, what are these theoretical cousins of black holes, defined as points of infinite mass with no isolating space around them?

Answer: Naked singularities

4. According to Plutarch, he lived at about the time of the first Olympiad and was never actually the king, but merely acted as regent for the children of his dead brother, Polydectes. Honored in ancient times as one of the seven sages, he was credited with inventing many of his nation's bizarre social customs, including the practice of throwing sickly-looking babies off a cliff. FTP, name this saemi-mythical leader who was credited with turning Sparta into Greece's first barracks state.

Answer: Lycurgus

5. Their father, Laszlo, was a psychologist who believed that any child could be made into a genius, and who set out to prove this theory with his three daughters. Despite opposition from their game's national federation, which long refused to allow women to compete in the same division as men, all three sisters were internationally ranked by 1990, although today only the youngest appears to have any chance of ever playing for the world championship. FTP, give the last name these three Hungarian chess prodigies, whose first names are Zsuzsa, Zsafia, and Judit.

Answer: Polgar

6. In a 1980 survey, adults were asked to name three famous lines by Shakespeare, and the responses were then ranked by order of frequency. Finishing in ninth place was "Hell has no fury like a woman scorned," which is a little odd, considering that Shakespeare didn't even write that one. FTP, which restoration playwright did write that "Heav'n has no rage, like love to hatred turn'd, nor Hell a fury, like a woman scorn'd" in his tragedy The Mourning Bride?

Answer: William Congreve

7. Among the dead was Louis Napoleon, the exiled crown prince of France. In all, the army of Cetewayo inflicted over 1,300 British casualties, including fifty officers killed, in

spite of the fact that they were armed only with spears and cowhide shields. FTP, name this 1879 battle, the biggest British defeat of the Zulu wars.

Answer: _Isandhlwana_

8. Because the number of mathematical functions is infinite, it has an infinite number of dimensions, and as a result, it is unlike Euclidean, Einsteinian, or Riemannian space in that it has no relation to geometric reality. In spite of this, it is an important practical tool for quantum physics, since it is the simplest way of representing the changing states of an electron. FTP, identify this type of space where functions take the place of vectors, whose namesake is also famous for a list of twenty-three unsolved mathematical problems.

Answer: _Hilbert_ Space

9. As a promising young composer, he became the protege of Wagner, who appointed him the stage manager for the premiere of Parsifal, parts of which he may have helped write. The rest of his career was a resounding disappointment, and he is today remembered only for a single work, the musical accompaniment for a children's play adapted by his sister from a Brothers Grimm fable. FTP, name this composer of Hansel and Gretel, who is no relation to the pop singer formerly known as Arnold Dorsey.

Answer: Englebert _Humperdinck_

10. He had a small role of about three lines in "A Clockwork Orange," in which he played Julian the bodyguard. This is probably the only film in which the average American moviegoer has seen his face or heard his voice, in spite of the fact that he also had one of the lead roles in three of the highest-grossing films of all time. FTP, name this British actor, who provided the body but not the voice for Darth Vader.

Answer: David _Prowse_

11. He classified his own work under six headings: poetry, poetry of the theater, poetry of the novel, critical poetry, graphic poetry, and cinematographic poetry. Working in such diverse media as posters, glassblowing, pipe-cleaner sculpture, and necktie- design, drama, and experimental film, he suffered from an extreme sense of inferiority to other artists, and consequently is sometimes said never to have developed an artistic style or personality of his own. For ten points, name this Frenchman whose literary works include Orphee and Les Enfants Terribles, and whose films include The Blood of a Poet and Beauty and the Beast.

Answer: Jean _Cocteau_

12. He had been the Roman governor of Syria during the chaos which followed the death of Herod the Great, and he handled this crisis situation so well that Augustus placed him in charge of the newly- conquered territories between the Rhine and Elbe. Unfortunately, this job required military talents which he simply did not have, which was made clear when he blundered into a trap set by the German renegade Arminius. FTP, name this general whose three legions were annihilated at Teutoburger Wald.

Answer: Quintillius _Varus_

13. Martin, the patriarch of this family, fathered two sets of children-- one with a feeble-minded girl and one with his upper- class wife. Descendants on the respectable side included lawyers, doctors, and bankers, while the illegitimate union produced generation

upon generation of alcoholics, criminals, mental defectives, and ugly persons. FTP, name this family, the subject of a bogus 1912 study written as propaganda for the eugenics movement, whose name is Greek for "good-bad."

Answer: The _Kallikak_ Family

14. Handel said that this man could write an eight-part motet as easily as most people could write a letter, and the Guinness Book of World Records lists him as history's most prolific composer, with over forty operas, sixteen hundred overtures, and twelve complete cycles of year-round liturgical music to his name. However, although he was considered a better composer than Bach during his lifetime, he was generally forgotten until the twentieth century. FTP, name this man, now ranked as the third-greatest composer of the German Baroque.

Answer: Georg Philipp _Telemann_

15. Two answers required. One leaves his room a mess and makes mother clean it up, but the other keeps his room clean without being told. One plays with the toys in the toy store, but the other looks without touching. One never says "please" or "thank you," the other always does. FTP, identify these two young brothers, the one a personification of evil and the other of good, whose illustrated adventures appear in the magazine "Highlights for Children."

Answer: _Goofus_ and _Gallant_

16. The main character is Zoyd Wheeler, a man who must jump through a plate glass window exactly once a year in order to collect a mental disability check from the state, and the novel's convoluted plot revolves around Zoyd's relations with his daughter, ex-wife, and ex-wife's ex-boyfriend. Published in 1990, it received a great deal of advance publicity not so much because of its plot, but because it was the first thing its author had published since his masterpiece of 1973. FTP, name this book, which broke the post-_Gravity's Rainbow_ literary silence of Thomas Pynchon.

Answer: _Vineland_

17. Its independence had been declared in 1932, but until the outbreak of World War II it had only been recognized by two other countries, one of which was El Salvador. A monarchy with its capital at Singkaing, its status was the subject of the League of Nations' Lytton commission, whose findings led Japan to withdraw from the League. FTP, name this short-lived Japanese puppet state in northern China.

Answer: _Manchukuo_

18. After reading Darwin's _Voyage of the Beagle_, he set out on a similar tropical expedition of his own, but lost all of his work when the ship carrying his notes and specimens was destroyed by fire. Undeterred, he then made an eight-year trip to Borneo, where he composed an essay whose conclusions were almost identical to Darwin's still-unpublished _Origin of Species_. FTP, name this naturalist, who independently discovered Darwinian evolution.

Answer: Alfred Russell _Wallace_

19. Two answers required: in Ezekiel, they are the names respectively of a tribe that wages war on Israel, and that tribe's leader. In Chronicles, one is mentioned as being a

descendant of Reuben, and in Genesis, the other is one of the sons of Japeth. According to the Koran, they are the two barbarian nations that will overrun civilization at the end of the world. FTP, give these two rhyming entities of evil, which figure prominently in the Book of Revelation.

Answer: _Gog_ and _Magog_

20. A Celtic tribe from Northern Gaul that is mentioned in the _Aeneid_. An Italian renaissance painter who died in 1578 and whose masterpieces are "Portrait of a Tailor" and "Nobleman Pointing to a Flame." The capital of the Comoros Islands. An angel who, in September of 1823, allegedly revealed the Book of Mormon to Joseph Smith. FTP, give the common name of all these things.

Answer: _Moroni_

John's Complete Questions Packet #9 (Hard) Bonus Questions

30 POINT BONUS

1. For five points each, and a bonus five for all five correct, identify the authors of these Elizabethan and Jacobean plays _not_ written by Shakespeare, Marlowe, or Jonson.

1. The White Devil

Answer: John Webster

2. The Spanish Tragedy

Answer: Thomas Kyd

3. Philaster, or Love Lies a-Bleeding

Answer: Francis Beaumont and John Fletcher

4. Ralph Roister Doister

Answer: Nicholas Udall

5. 'Tis Pity She's a Whore

Answer: John Ford

30 POINT BONUS

2. For fifteen points each, identify these terrorist groups of East European history.

1. An violent outgrowth of the peaceful "Go to the People" movement of the 1860s and 70s, they planted the bomb that killed Russian Tsar Alexander II in 1881.

Answer: The _People's Will_

2. Gavrill Princip was a member of this radical Serb nationalist group, which incited World War I with its 1914 assassination of Archduke Franz Ferdinand.

Answer: The _Black Hand_

30 POINT BONUS

3. For ten points each, identify these people who contributed to the invention of the steam engine.

1. In the late seventeenth century, this Dutch physicist attempted to harness power by setting off gunpowder in a closed tube connected to a piston, but abandoned the experiment after he was unable to produce any sustained power.

Answer: Christiaan _Huygens_

2. This French-born student of Huygens modified Huygens' apparatus with the substitution of compressed steam for gunpowder, and developed a steam cycle to ensure continuous motion of the pistons. However, his insufficient knowledge of engineering prevented him from developing any practical applications for his invention.

Answer: Denis _Papin_

3. In 1712, this Englishman adopted Papin's cycle and produced the world's first practical steam engine, a water pump which he set up in a Worcestershire mine.

Answer: Thomas _Newcomen_

30 POINT BONUS

4. For ten points each, given a major or minor musical key, give the number of sharps or flats in its key signature.

1. A minor

Answer: No sharps or flats

2. G major

Answer: One sharp

3. D flat major

Answer: Five flats

30 POINT BONUS

5. In an attempt to compete more effectively with PC-based systems, Apple in 1996 announced that it would be buying out NeXT. For ten points each, answer these questions about this event.

1. Name the founder of NeXT, who thus rejoined Apple eleven years after he was forced out in a management dispute.

Answer: Steve _Jobs_

2. Identify the chairman of Apple who engineered this deal.

Answer: Gil _Amelio_

3. The NeXT buyout was prompted by Apple's failure to acquire a different computer company, which had also been founded by an Apple alumnus. For a final ten points, identify this company headed by Jean Louis Gasse.

Answer: _Be_

30 POINT BONUS

6. For the stated number of points, identify the Latin American countries that produced the following well-known writers.

1. For five: Pablo Neruda and Isabel Allende

Answer: _Chile_

2. For ten: Rubem Fonseca and Jorge Amado

Answer: _Brazil_

3. for fifteen: Alejo Carpentier and Reinaldo Arenas

Answer: _Cuba_

30 POINT BONUS

7. Naming U.S. states was never simple, and in many cases, Congress or colonists tried and rejected several proposals before settling on a final name. For five points each and five more for all correct, given a name which a state almost took, identify the state.

1. "Franklin"

Answer: Tennessee

2. "Columbia"

Answer: Washington

3. "New Connecticut"

Answer: Vermont

4. "Esmerelda"

Answer: Idaho

5. "Albania"

Answer: New Jersey

30 POINT BONUS

8. For the stated number of points, answer the following questions related to math.

1. First, for five: give the general term for an ordered arrangement of a specified number of objects selected from a set.

Answer: _Permutation_

2. For ten: name the special type of permutation where no element of the set occurs in its original position.

Answer: _Derangement_

3. Finally, for fifteen: give the number of derangements of a set containing four objects.

Answer: _9_

30 POINT BONUS

9. Identify these thinkers of the middle ages. Ten points if you can get them from their semi-official nicknames, five if you need a clue about what they actually did.

1. 10 pts: The Invincible Doctor. 5 pts: He is best known for the maxim that entities ought not be multiplied except of necessity, which is a roundabout way of saying that the simplest explanation is the best.

Answer: William of _Occam_

2. 10 pts: The Scholastic Doctor 5 pts: This Archbishop of Canterbury is best known for his quarrels with King William II, as well as his ontological proof for the existence of God.

Answer: St. _Anselm_

3. 10 pts: The Admirable Doctor 5 pts: In his most important treatise, the _Opus Majus_, this Franciscan monk proposed an early ideal of scientific method.

Answer: _Roger Bacon_

30 POINT BONUS

10. For ten points each, name the final movies which the following dead actors filmed. Note that this will not always be the same as the last movie featuring the actor to be actually released.

1. Peter Sellers

Answer: "The _Fiendish Plot of Dr. Fu Manchu_"

2. Raul Julia

Answer: "_Streetfighter_"

3. John Candy

Answer: "_Wagons East_"

30 POINT BONUS

11. In its Prologue, Chaucer's Canterbury Tales introduces thirty pilgrims, twenty-two of whom eventually contribute tales. For the stated number of points:

1. For five: name the only pilgrim to tell two tales.

Answer: _Narrator_ or _Chaucer_

2. For five points each, name the two tales told by Chaucer's narrator.

Answer: Tale of _Sir Thopas_, Tale of _Melibeus_

3. For ten: name the only tale-teller who does not appear in the Prologue.

Answer: _Canon's Yeoman_

3. For fifteen, name any one of the eight pilgrims introduced in the Prologue whose tales Chaucer never got around to writing.

Answer: _Knight's Yeoman_, _Second Nun's Priest_, _Third Nun's Priest_,
Haberdasher, _Weaver_, _Plowman_, _Carpenter_, _Dyer_, _Tapicer_ (accept
Upholsterer)

30 POINT BONUS

12. For ten points each: identify these explorers of the New World, given the year and unpleasant circumstances of their deaths.

1. 1611; set adrift by mutineers in a body of water later named for him.

Answer: Henry Hudson

2. 1517; arrested and beheaded on trumped-up treason charges by his rivals Pizarro and Pedrarias.

Answer: Vasco Nunez de Balboa

3. 1527; eaten by natives while exploring the coast of South America for France.

Answer: Giovanni da Verrazano

30 POINT BONUS

13. Of the thirty-one brightest stars in the sky, five are in a single constellation. For five points each:

1. First, name this constellation.

Answer: _Orion_

2. Name the brightest star in Orion, whose name comes from the Arabic for "foot."

Answer: _Rigel_

3. Name the second-brightest star of Orion, a orange variable supergiant which is expected to explode into a supernova sometime in the next 200,000 years.

Answer: _Betelgeuse_

4. For a final five points each, name the three stars of Orion's belt.

Answer: _Mintaka_, _Alnilam_, _Atinak_

30 POINT BONUS

14. For five points each: given a U.S. city, name the largest river that flows through or by it.

1. Atlanta, GA

Answer: _Chattahoochee_

2. Jackson, MS

Answer: _Pearl_

3. Casper, WY

Answer: _North Platte_

4. Eugene, OR

Answer: _Willamette_

5. Nashville, TN

Answer: _Cumberland_

6. Billings, MT

Answer: _Yellowstone_

30 POINT BONUS

15. For ten points each, name these accidental cannibals.

1. In Greek myth, when Tantalus tries to feed a stew made out of his son Pelops to the gods, this goddess was the only one to take a bite without realizing what the food was. As a result of her inattentiveness, Pelops was missing a shoulder when the gods stitched him back together.

Answer: _Demeter_ (accept also _Thetis_, according to another version of this myth)

2. In the gory finale to Shakespeare's _Titus Andronicus_, the title character feeds this evil Queen of the Goths a meat dish made from her two sons, whom he had killed in the preceding scene.

Answer: _Tamara_

3. Shakespeare seems to have lifted the preceding plot twist directly from Herodotus, who includes a very similar story in which the King of the Medes has his revenge against a disloyal subordinate. For a final ten points, name that subordinate, who is forced to eat his own son at a royal banquet.

Answer: _Harpargus_

30 POINT BONUS

16. Achilles wasn't the only hero who was invulnerable everywhere except for on a small area of the body. Given a literary hero, give the body part where they were vulnerable. Ten points each.

1. Siegfried, according to the _Nibelungenlied_

Answer: _Back_

2. Orlando, according to _Orlando Furioso_

Answer: Sole of the _foot_

3. Megjissogwon, according to "The Song of Hiawatha"

Answer: _Hair_

30 POINT BONUS

17. Although most judicial opinions are (to quote H.L. Mencken) chloroform in print, a notable exception are those written by Oliver Wendell Holmes, Jr., many of which contain catchy phrases that are far more famous than the cases themselves. For ten points each, given a memorable Holmes quote, identify the Supreme Court decision in which it was contained.

1. "Three generations of imbeciles is enough."

Answer: Buck v. Bell

2. "The Fourteenth Amendment does not enact Mr. Herbert Spencer's _Social Statics_."

Answer: Lochner v. New York

3. "The most stringent protection of free speech would not protect a man from falsely shouting 'fire' in a crowded theater."

Answer: Schenck v. United States

30 POINT BONUS

18. For the stated number of points, answer these really exciting questions about the Glashow-Winberg-Salam model of particle physics.

1. First, for ten points all or nothing, name the two fundamental interactions which the GWS model seems to unify.

Answer: _electromagnetic_ and _weak_

2. The GWS model was given an empirical boost in 1984 with the discovery of two intermediate vector bosons whose existence the theory had predicted. For five points each, name these bosons.

Answer: _W_ and _Z_

3. The GWS model also predicts the existence of another still- undiscovered particle, which is characterized by a zero spin and a non-zero mass. For a final ten points, name this hypothetical boson.

Answer: _Higgs_ boson

30 POINT BONUS

19. For ten points each, given a list of individuals from Greek mythology, give the collective name by which they are better known.

1. Adrastus, Polyneices, Tydeus, Ampharius, Capanaeus, Parthenopaeus, and Hippomedon; sometimes also Mecisteus and Eteoclus.

Answer: the _Seven against Thebes_

2. Alcmaeon, Amphilochus, Diomedes, Promachus, Sthenelus, Thersandrus, and Euryalus.

Answer: The _Epigoni_

3. Eunomia, Dike, and Eirene

Answer: _Horai_

30 POINT BONUS

20. Name the island, 30-20-10.

1. It is the only island in the world with a surviving population of Caribs, that once-powerful tribe which lent its name to the Caribbean Ocean.

2. It gained its independence from Great Britain in 1978, and since 1980, it has been ruled by Prime Minister Mary Eugenia Charles, who is often ranked as one of the most successful heads of government in the West Indies.

3. First sighted by Christopher Columbus on a Sunday, its capital is Roseau.

Answer: _Dominica_

--===== -1326003618== _=====

Content-Type: text/plain; name="10"; charset="us-ascii"