

Tossups by No Pants for 1996 Philly Experiment III

1. According to Hesiod, she was the daughter of Thaumias, the Titan, and sister of the Harpies. She slept under Hera's throne, and because she appeared to touch both earth and heaven, she was thought to serve as messenger of the queen of the gods. FTP, who was this Greek goddess of the rainbow?

Answer: Iris

2. Jung used the term to refer to the dark, animal instincts of personality. On the show Babylon 5, it names a dweller of Z'Ha Dum (Za-ha-DOOM). In Pennsylvania, though, it's the greatest fear of Phil the Groundhog. FTP, what is this that's always with you when you're "strolling down the avenue"?

Answer: shadow

3. He watched from a window overlooking the Place de la Revolution as the tumbrel carried Marie Antoinette to her execution in 1793, and he captured her fall from grace in a poignant sketch which he titled "Citizensess Capet." He narrowly escaped the guillotine himself, and upon being released from prison he became interested in Napoleon, whom he was commissioned to paint on several occasions. FTP, who was this painter of the late eighteenth and early nineteenth centuries, better-known for painting "The Oath of the Tennis Court" and "The Death of Marat"?

Answer: Jacques Louis David

4. In population and land area it is the smallest of the former Soviet republics, but it ranks first after Russia in per capital gross national product and has the lowest annual rate of inflation. More tied to western economies than most other Soviet republics, its people's traditional relationship to Scandinavia is reflected in its language's similarity to Finnish. FTP, what is this Baltic state, whose capital is Talinn?

Answer: Estonia

5. Philip loves Maggie, but Maggie's brother Tom is opposed to the match. Maggie steals Stephen Guest from her cousin Lucy, but repents, and her life becomes "desperately unhappy." Finally, a great flood reunites her in death with her brother. Such is the plot of, FTP, what novel by George Eliot?

Answer: The Mill on the Floss

6. Beginning as a songwriter in the sixties, her classics such as "The Locomotion" and "Up on the Roof" helped establish the careers of several Motown artists. In the seventies, she began a singing career of her own, and her third album, "Tapestry," stayed on the American album charts for 302 weeks. FTP, who is this prolific artist, whose soulful ballads are typified by "Will You Still Love Me Tomorrow"?

Answer: Carole King

7. Most Panthera onca have golden or brownish-yellow fur, though their backs and sides have light spots with dark borders and centers. The spots are black on the head, legs, and undersides -- ideal camouflage for living in this creature's rain forest habitat. In addition, there is an all-black variant in South America. FTP, what is this Central American feline, a symbol of strength and courage for the Maya?

Answer: Jaguar [do not accept puma, mountain lion, or wildcat]

8. Home to the largest sports stadium in the world, this city also boasts St. Vitus' Cathedral, Wenceslaus Square, and one of Europe's best-preserved medieval Jewish ghettos. In 1968 it was the location of an abortive revolt against Soviet domination. FTP, name this city, the site of two famous defenestrations, the capital of the Czech Republic?

Answer: Prague

9. In a semiconductor crystal, an electron is excited from a valence state to a conduction state, creating a positively charged "hole" called an "exciton." If condensed into "clouds" under special conditions, these bosons can form, FTP, what 1996 Science Magazine "Molecule of the Year"?

Answer: Bose-Einstein Condensate (acc: Einstein-Bose Condensate)

10. It lacked a big-name actor, it was made with a budget the size of a postage stamp, its subject was poetry, and it was in Italian. However, it not only earned over 36 million dollars, but a Best Picture Oscar nomination as well. FTP, name this Cinderella film of 1995 about the unlikely friendship between a humble civil servant and the poet Pablo Neruda?

Answer: Il Postino [accept The Postman]

11. They formerly inhabited cliff dwellings in the Four Corners region, but this Native American tribe mysteriously disappeared around 700 years ago. Archaeologists discovered unbroken pottery vessels, filled with maize, outside the doorways of their dwellings--a testament to the haste of the tribe's departure. FTP, who were these ancestors of the modern Pueblo Indians?

Answer: Anasazi

12. In 1812, Napoleon marched toward Moscow with 600,000 men. Although Russian General Kutuzov initially refused to turn and fight, on September 7 the Russians made a stand. Both sides suffered severe casualties, and although France still advanced to Moscow, the battle slowed and depleted Napoleon's forces. FTP, name this pyrrhic victory which helped lead to Napoleon's disastrous retreat from Russia in November?

Answer: Battle of Borodino

13. His "A New Life" deals with a New York professor in search of himself in the Pacific Northwest. His "The Tenants" deals with the tempestuous relationship of a Jewish and a black writer. FTP, name this author, best known for the baseball story "The Natural."

Answer: Bernard Malamud

14. The surname's the same: the English artist famous for illustrating such children's books as "Little Red Riding Hood"; the American poet known for such works as "The Bridge"; and the American novelist who wrote "War is Kind" and "The Bride Comes to Yellow Sky." FTP, name this shared surname of Walter, Hart, and Stephen.

Answer: Crane

15. Worth five old shillings, or twenty-five new pence, this British coin is now rarely circulated. First minted in the 1500's during the reign of Henry VIII, it featured the royal coat of arms on one side and a profile of the reigning monarch on the other. FTP, identify this obsolete coin of England, which also happens to be the translation of the names of the modern currency units of Denmark, Sweden, Norway, and Iceland.

Answer: Crown

16. Fought on June 9, 1863, it was the largest cavalry battle yet fought in the Western Hemisphere. A total of 20,000 Union and Confederate horsemen engaged each other in combat. At the battle's end, the Confederate cavalry under General J.E.B. Stuart was badly battered but held the field against General Alfred Pleasanton's Federal horsemen. FTP, name this Virginia battle.

Answer: Battle of Brandy Station

17. Betray, balloon, intend, Marie, adore. All of these words conform to what is considered the meter of natural English speech, since each consists of two syllables, the first unaccented, the second accented. FTP, what is the name for this type of metrical foot, the most common meter found in English poetry?

Answer: iamb or iambus or iambic

18. The failure of his First Symphony in 1897 stifled his inspiration and led him to undergo treatment by hypnosis before he began writing again in 1901. He fled the Bolshevik Revolution for the United States, where he died in Beverly Hills in 1943. FTP, identify this composer, conductor, and pianist, considered the last in the great tradition of Russian romantic composers, who created "Prelude on C-Sharp Minor."

Answer: Sergei Rachmaninoff

19. Take a matrix A. Replace each term by its cofactor, and then transpose the resulting matrix. FTP, what have you formed?

Answer: Adjoint of A

20. Wanted: boys ages 6 to 8, with demonstrated musical ability, to be prepared for exciting and lucrative career. Meet famous composers and crowned heads of Europe; save money on shaving cream. Applicants will undergo surgery. No such want ad ever appeared in seventeenth-century Italy, but if it had, it would have attracted the attention of parents anxious to propel their sons into a prestigious career. FTP, what was this operatic singing career, whose last representative, Alessandro Moreschi, died in 1922?

Answer: Castrato [accept castrati]

Bonuses by No Pants for 1996 Philly Experiment III

1. We won't ask you what they wear underneath those kilts, but for 10 points apiece, identify these other elements in a Scots highlander's traditional outfit.

1. a large leather and fur pouch that hangs in front of the kilt
Answer: Sporran
2. the short-bladed knife traditionally carried as a sidearm
Answer: Dirk
3. the full name of the highlander's flat wool cap with a fuzzy ball on the top
Answer: Tam-o'-shanter

2. We tend to toss around the word "worm" to describe many animals not necessarily related to one another. For 5 points each and a bonus 5 for all five, tell which phylum the following worms belong.

1. earthworm
Answer: Annelida
2. tapeworm
Answer: Platyhelminthes
3. leeches
Answer: Annelida
4. hookworm
Answer: Nematoda
5. flukes
Answer: Platyhelminthes

3. Answer the following questions about Adonis for the stated number of points.

1. 5: What animal figured prominently at both Adonis' birth and death?
Answer: Boar
2. 10: Name his mother.
Answer: Myrrha
3. 15: Name his father/grandfather.
Answer: Cinyras

4. 30-20-10: Identify the year.

30: Mack Sennett forms the Keystone Cops; and Marcel Duchamp unveils his controversial painting "Nude Descending a Staircase."

20: The first Balkan War unites Bulgaria, Serbia, Montenegro, and Greece against Turkey; and the Bull Moose Party is formed by disgruntled Republicans.

10: New Mexico and Arizona become the 47th and 48th states; and the Titanic is sunk in the North Atlantic.

Answer: 1912

5. A card is selected at random from a deck of 52 playing cards. For 10 points each, compute the odds of the following outcomes.

1. What is the probability of selecting a club?
Answer: one in four [Accept 1/4]
2. What is the probability of selecting a king?
Answer: one in thirteen [Accept 1/13]
3. What are the "odds" of not selecting a red seven?
Answer: twenty-five to one

6. Identify these solid gold singles from the 1970's. You'll get 10 points if you can do it from a lyric, 5 points if you need the artist.

1. 10: Well, woke up this morning with a wine glass in my hand
5: Peter Frampton
Answer: Do You Feel Like We Do
2. 10: I got no friends 'cause they read the papers / they can't be seen [pause] with me
5: Alice Cooper
Answer: No More Mr. Nice Guy
3. 10: See the paper laying on the sidewalk, a little music from the house next door
5: Seals & Crofts
Answer: Summer Breeze

7. For 5 points apiece and a 5 point bonus for all five, identify the body of water on which each of the following Russian ports lies.

1. St. Petersburg
Answer: Gulf of Finland
2. Archangel
Answer: White Sea
3. Murmansk
Answer: Barents Sea
4. Kaliningrad or Konigsburg
Answer: Baltic Sea or Gulf of Danzig
5. Vladivostok
Answer: Sea of Okhotsk

8. Identify the following explorers, for 10 points apiece.

1. This Dane in the service of Tsar Peter the Great explored the Siberian coast north to the Arctic Circle, and discovered Alaska.

Answer: Vitus Bering

2. This Dutch navigator discovered New Zealand in 1642.

Answer: Abel Tasman

3. This early 16th-century Portuguese navigator's discovery of the Brazilian coast is now disputed.

Answer: Pedro Cabral

9. 30-20-10. Identify this fictional character.

30: The fictional memoir which introduced her in 1722 was one of the earliest social novels in English.

20: She was born in Newgate Prison, and was successively a prostitute, a wife, a thief, and a transported felon to Virginia.

10: The novel was written by Daniel Defoe.

Answer: Moll Flanders

10. Identify three characteristics of musical sounds from their scientific definitions. I'll give you the answers at the end.

1. The characteristic determined by the frequency of the wave reaching the ear.

Answer: Pitch

2. The characteristic determined by the amplitude of the wave reaching the ear.

Answer: Loudness or Volume

3. The characteristic determined by the number and relative amplitude of the overtones present in the wave reaching the ear.

Answer: Timbre or Quality or Timbre

11. 30-20-10. Identify this author from a list of her works.

30: "Valperga" and "the Last Man"

20: "Lodore" and "Falkner"

10: "Frankenstein"

Answer: Mary Shelley

12. For 5 points apiece and a bonus 5 for all five, identify the U.S. Presidents who published the following works in the year indicated.

1. Profiles in Courage (1956)

Answer: John F. Kennedy

2. A Time to Heal (1979)

Answer: Gerald R. Ford

3. Principles of Mining (1909)

Answer: Herbert Hoover

4. The Tariff in the Days of Henry Clay and Since (1896)

Answer: William McKinley

5. The Lives of James Madison and James Monroe (1850)

Answer: John Quincy Adams

13. Answer the following questions about circles, for 10 points each.

1. If two circles are coplanar and have the same center, what are they called?

Answer: Concentric

2. What circle is created by the intersection of a sphere with a plane passing through the center of the sphere?

Answer: Great Circle

3. What plane curve consisting of a series of identical arches is traced out by a fixed point on a circle as the circle rolls along a line?

Answer: Cycloid

14. A number of celebrated artists have been most closely associated with a single location. For 10 points apiece, identify the city with which the following painters is most closely associated.

1. Jan Vermeer

Answer: Delft

2. George Bellows

Answer: New York

3. Gustav Klimt

Answer: Vienna

15. You'll receive 10 points for naming these works of Russian literature from some characters; you'll get 5 if you also need the author and type of work it is.

1. 10: Grigorii Otrepev (ot-ri-PYOF), Father Pimen, and the title character

5: Play by Aleksandr Pushkin

Answer: BORIS GODUNOV

2. 10: Platon Kovalev (ko-val-YOF) and the title character

5: Short story by Nikolai Gogol

Answer: The NOSE

3. 10: Porfiry Petrovich and Rodion Raskolnikov

5: Novel by Fyodor Dostoevsky

Answer: CRIME AND PUNISHMENT

16. For 10 points each, identify these members of the 1996 Olympic Basketball U.S. Women's team.

1. The last member to be named, she's a former Louisiana Tech Player.

Answer: Venus Lacey

2. This former Auburn player has 19 brothers and sisters, and so many other relatives that they form a chorus that sings at games.

Answer: Ruthie Bolton Holyfield

3. This former Stanford player broke her nose playing against Canada in an exhibition.

Answer: Jennifer Azzi

17. In Utah, there are not one, not two, but five national parks. For 5 points apiece and a bonus 5 for all five name them.

Answer: Arches, Bryce Canyon, Canyonlands, Capitol Reef, and Zion

18. You'll earn 15 points for the name of the proper DNA enzyme from the following clues.

1. It is responsible for joining Okazaki fragments together to make the lagging strand a covalently contiguous polynucleotide chain

Answer: DNA ligase

2. It introduces negative supercoils at the expense of ATP hydrolysis and acts to overcome torsional stress imposed by unwinding

Answer: DNA gyrase

19. Identify the directors of the following motion pictures. You will receive 10 points if you identify the director after the first movie, and 5 points if you need to hear the second title.

1. 10: The Paper

5: Apollo 13

Answer: Ron Howard

2. 10: The Age of Innocence

5: Raging Bull

Answer: Martin Scorsese

3. 10: Heaven and Earth

5: JFK

Answer: Oliver Stone

20. For 10 points apiece, answer these questions about wax.

1. What adjective, meaning "honest" or "genuine," derives from the Latin for "without wax"?

Answer: Sincere

2. What waxy substance, obtained from distillates of wood, coal, or petroleum, is used in coating and sealing, in candles, and in cosmetics?

Answer: Paraffin

3. Most waxes are insoluble in water, slightly soluble in alcohol, and readily soluble in what volatile liquid, with the formula C₄H₁₀O

Answer: Diethyl Ether