

Philly Experiment IV: (Insert Title Here)

Round 8

Packet by: En Fuego

- ✓ 1. This 1924 novel is divided into sections, named "Mosque", "Caves", and "Temple," which parallel the perspectives of Muslims, Christians, and Hindus in turn-of-the-century colonial India. It tells the tale of an Englishwoman, Adela Quested, who accuses an Indian man, Dr. Aziz, of attacking her. FTP, name this E.M. Forster novel.

A Passage to India

- ✓ 2. This 195-by-45-foot painting was to be shown in 1904 in St. Louis, but its immense size made it impossible. The painting, which took Polish artist Jan Styka six years to complete, then spent 40 years in a warehouse before being rediscovered. FTP, name this painting, the largest religious painting in the world.

The Crucifixion

- ✓ 3. In 1572, he aided his mother in planning the St. Bartholomew's Day massacre. His weak rule led to Wars of Religion between French Roman Catholics and Huguenots. FTP, name this last Valois king, the son of Catherine di Medici and a key participant in the War of the three Henrys.

Henry III

- ✓ 4. Near the Aufidus River, Hannibal's inferior force took a convex, crescent-shaped formation which gradually caved in under pressure from the Roman army. Terentius Varro and Aemilius Paullus thought they were winning, but before they knew it, Hannibal surrounded and slaughtered them. FTP, identify this famous 216 B.C. battle, the bloodiest defeat in Roman history.

Cannae

- ✓ 5. In another of this book's author's fictional, but largely autobiographical works, Jo March hints at this book's existence. However, its existence was not proven until researchers discovered it at Harvard's Houghton Library in 1988, and it was not published until earlier this year. FTP, name this first novel written by Louisa May Alcott.

The Inheritance

6. Its coordinates are absolute magnitude and spectral class. It shows that stars are situated along two belts, one horizontal at  $M=0$ , the other inclined, following a sequence from A stars with  $M=0$  decreasing to  $M=7$  and 10 for K and M stars. Red giants are in the upper right hand corner, and red dwarfs are in the lower right. FTP, name this chart, named for the two scientists who created it.

Hertzsprung-Russell Diagram

7. Its name means "Steed of the Terrible One" and it provides the pasture ground for Óðin's goat Heidrun as well as the dew-producing stags Dain, Dvalin, Duneyr, and Durathor. The spring Hvergilmir originates here, and inhabitants include the falcon Vedfolnir, the dragon Nidhug, and the squirrel Ratatosk. FTP, name this ash tree from Norse mythology.

Yggdrasil

8. She was a writer, a photographer, and the first woman on Society's Board of Managers. She is more noteworthy, perhaps, for creating one of Washington, D.C.'s most beautiful springtime tourist attractions. FTP, name this woman who convinced Mrs. Taft to have 90 cherry trees planted along the Potomac, a gesture which prompted Tokyo to contribute 3000 more.

Eliza R. Scidmore

9. In 1995, this man was selected by Nelson Mandela to serve as the head of the Truth and Recognition Commission in South Africa. In June of 1996, his devotion to the task caused him to retire from his position as head of the Anglican Church of South Africa. FTP, name this civil rights activist and South African clergyman who in 1984 was awarded the Nobel Peace Prize.

Desmond Mpilo Tutu

10. For substances in this state, atoms or molecules are arranged in a pattern, but the pattern is not fixed. Heat or an electric field can alter the pattern. Some change color at certain temperatures, and can therefore be used in thermometers. FTP, name this state of matter, intermediate between a solid and a liquid and often used in watches, calculators, and really neat stickers.

liquid crystal

✓ 11. This Spaniard, like many others, sought his fortune in the Indies, and later settled in Hispaniola. He relocated a failed Colombian colony to what became the first stable settlement in South America. He spent several years exploring the Pacific coast before he was beheaded in 1519. FTP, name this explorer, who not only explored the Pacific, but was also the first to sight it.

Vasco Nunez de \_Balboa\_

✓ 12. Born in Aracataca, Columbia, he worked as a journalist, film critic, and screenwriter, but is best known for his fiction, including his first major publication, a collection entitled \_Leaf Storm and Other Stories\_. Other novels include \_The Autumn of the Patriarch\_ and \_Chronicle of a Death Foretold\_. FTP, name this author of \_Love in the Time of Cholera\_.

Gabriel Garcia \_Marquez\_

✓ 13. Published in the collection \_A Night in Acadia\_, it describes an antebellum New Orleans woman and her husband, Armand, as they struggle with the birth of her obviously mixed-race baby. Armand forces his wife and the child into exile and eventually death, only to discover that it is he, and not his wife, who is part black. FTP, name this widely-anthologized short story by Kate Chopin.

\_Desiree's Baby\_

✓ 14. Grosse Fuge, Coriolan Overture, Consecration of the House Overture, Andante Favorsi, German Dances, Jena Symphony, Missa Solemnis, Ruins of Athens, Turkish March, and the Battle Symphony are just some of the works of this German composer. FTP, name this musical genius, better known for his sonatas including Appassionata, Waldstein, Kreutzer, and Moonlight.

Ludwig Van \_Beethoven\_

✓ 15. Alice Cooper is admitted to a psychiatric hospital for alcoholism treatment, Van Halen's debut album sells 2 million copies, and two Clash members are fined 800 pounds for shooting racing pigeons in London. FTP, all of this happened in what year of music history, which also saw the Village People's unlikely hit, "YMCA," go to number two?

\_1978\_

16. Born on Finnøya Island, Rogaland County, in Norway in 1802, this mathematician's chief accomplishment was to demonstrate that it is impossible to solve algebraic equations of degree higher than the fourth by elementary means. FTP, name this mathematician, also known for adding the cases of irrational and imaginary exponents to the binomial theorem.

Niels Henrik Abel

17. On January 28, 1885, the forerunners of the relief force under Lord Charles Beresford arrived, but they were two days too late. The Mahdi had begun an invasion in early 1884, and eventually they stormed the garrison and killed General Gordon. FTP, name this landmark battle in the British-Sudan campaign.

Battle of Khartoum

18. Produced by most living organism, these substances, necessary for cell respiration, are composed of four molecular rings connected to form a larger ring. Each ring commonly contains four carbon atoms and one nitrogen atom. They are distinguished from one another by metallic deposits centered in the larger ring. FTP, name these substances, whose iron variety comprises a major component of hemoglobin.

porphyrins

19. A sapling fence and a cliff separate the viewer from Peter, James, and John, crouched in terror. On the knoll behind and slightly above them the Lord is revealed in white shining garb between Moses and Elijah. There is no halo, but only a soft yellow glow around the head of Christ. FTP, name this late 15<sup>th</sup> century painting, a masterpiece of Giovannia Bellini.

Transfiguration of Christ

20. Born in 1908, this American psychologist's papers were published posthumously as The Farther Reaches of Human Nature. In 1951, he became head of the psychology department at Brandeis, and while there he published his two most famous works, Toward a Psychology of Being and Motivation and Personality. FTP, name this psychologist famous for his hierarchy of needs.

Abraham Harold Maslow

21. His defense minister visited the camp of his Special Presidential Detachment and asked them to lay down their arms, but instead the minister was shot and killed, possibly by this man's own son Kongolo. After Nelson Mandela-led mediations failed, he packed his bags and fled to Morocco, paving the way for Laurent Kabila's forces. FTP, name this now exiled former dictator of the country formerly known as Zaire.

Mobutu Sese Seko

boni

1. For ten points off the quote and five if you need the poet, name the following poems.

A. "I'm a riddle in nine syllables,

☒ An elephant, a ponderous house,

☒ A melon strolling on two tendrils."

Poet: Sylvia Plath

Metaphors

B. "Bent double, like old beggars under sacks,

☒ Knock-kneed, coughing like hags, we cursed through sludge,

☒ Till on the haunting flares we turned our backs

☒ And towards our distant rest began to trudge."

Poet: Wilfred Owen

Dulce et Decorum Est

C. "A hundred years should go to praise

☒ Thine eyes and on thy forehead gaze,

☒ Two hundred to adore each breast,

☒ But thirty thousand to the rest..."

Poet: Andrew Marvell

To His Coy Mistress

2. At FPE and with a 5-point bonus for all correct, give the Roman name for the god or goddess given the Greek name and a brief description.

☒ A. Cronus- ruler of the Titans and father of Zeus/Jupiter

Saturn

☒ B. Gaea--Symbol of the earth; mother and wife of Uranus

☒ Terra

☒ C. Hephaestus-Blacksmith for the gods; god of fire and metalworking

Vulcan

☒ D. Hypnos- God of sleep

Somnus

☒ E. Rhea- Wife and sister of Cronus/Saturn

☒ Ops

3. Let's see what you remember about Henry VIII's marital problems. FTPE, name the wife of Henry VIII given a brief description.

☒ A. This fifth wife was executed in 1542 on a charge of infidelity.

Catherine Howard

☒ B. Henry's fourth marriage was doomed from the start. He spoke only English, his bride spoke only German and she refused to learn English. They despised one another and Henry considered her ugly. They divorced

Anna of Cleves (also accept Anne of Cleves)

☒ C. This was his last wife, and she outlived her husband.

Katherine Parr

4. Three "Laws of Thought" are used in philosophy to define self-evident logical principles. FTPE, name the law given its definition.

☒ A. "Whatever is, is."

\_\_\_\_ Law of identity \_\_\_\_

☒ B. "Nothing can both be and not be."

\_\_\_\_ Law of contradiction \_\_\_\_

☒ C. "Everything must either be or not be."

\_\_\_\_ Law of excluded middle \_\_\_\_

5. Given a main character, name the Anton Chekhov play for ten points each. You'll get only five if you need a brief plot summary.

10) Madame Ranevskaya

☒ 5) Madame Ranevskaya returns to Russia in debt to decide how to dispose of her family's famous estate, which is eventually purchased and developed by a wealthy merchant.

\_\_\_\_ The Cherry Orchard \_\_\_\_

10) Ivan Gromov

☒ 5) This play explores the philosophical conflict between a mental patient and his doctor.

\_\_\_\_ Ward No. 6 \_\_\_\_

10) Ivan Voynitsky

☒ 5) Ivan, who has an affectionate nickname, realizes he has wasted his life managing the business affairs of his former brother-in-law, whom he realizes will never be more than a second-rate academic.

\_\_\_\_ Uncle Vanya \_\_\_\_

6. 30-20-10. Name the city given clues from its history.

☒ 30: Augustine nuns founded North America's oldest hospital in this city in 1637.

☒ 20: This Canadian city is the only walled city in North America. The fortifications were built by the British as protection from American attack, but they never saw battle.

10: In 1759, Great Britain won the rights to French territory in North America in a battle fought on the Plains of Abraham, just west of the city.

\_\_\_\_ Quebec \_\_\_\_, Quebec

7. By 1914, practically the entire continent of Africa had been divided up and claimed by various European countries. FTPE, given their possession in Africa, identify the European country that claimed it in 1914.

☒ A. Angola

\_\_\_\_ Portugal \_\_\_\_

☒ B. Nigeria

\_\_\_\_ Great Britain \_\_\_\_

☒ C. Madagascar

\_\_\_\_ France \_\_\_\_

8. Recently, the assassin of Robert F. Kennedy was brought before a parole board and denied parole. Answer the following questions about the assassination FTP each:

a. What was the name of the killer?

- ✓ Sirhan \_Sirhan\_  
✓ b. In what year did the assassination take place?  
\_1968\_  
X c. Finally, what year will Sirhan again be eligible for parole?  
\_2000\_

9. For 5 points each and a 5 point bonus for all five, identify the area of the body where you can find each of these bones:

- X a. Trapezium \_wrists\_ or \_hands\_  
✓ b. Ethmoid \_skull\_ or \_head\_  
✓ c. Hyoid Bone \_Throat\_ or \_neck\_  
✓ d. Tarsal \_Feet\_ or \_Ankles\_  
✓ e. Sternum \_Chest\_

10. Identify the presidents associated with the following slogans or ideas, for 10 points each:

- ✓ a. Dollar Diplomacy  
William Howard \_Taft\_  
X b. Dynamic Conservatism  
Dwight David \_Eisenhower\_  
✓ c. Era of Good Feeling  
James \_Monroe\_

11. 30-20-10, identify the author from works:

- ✓ (30) \_Mystery and Manners\_, \_The Violent Bear it Away\_  
(20) \_Everything That Rises Must Converge\_  
(10) \_Wise Blood\_  
Flannery \_O'Connor\_

12. How much do you know about the day the music died? FTP each, answer the following questions about the death of Buddy Holly:

- ✓ a. Buddy Holly died in a plane crash on January 22 of what year?  
\_1959\_  
✓ b. Name two of the three other people that were on the plane with him FFPE:  
Roger \_Peterson\_, The \_Big Bopper\_, Ritchie \_Valens\_  
✓ c. Finally, name the bass player for the band who was supposed to be on the plane, but gave his ticket to the Big Bopper. Since then, he has made such albums as \_Waymore's Blues\_.  
Waylon \_Jennings\_



13. Answer these questions about Candide for the stated number of points.

✓ 5) Who wrote it?

Voltaire or Francois Marie Arouet

10) Which character tutors the hero and also accompanies him on some of his adventures?

✓ Dr. Pangloss

✓ 15) The novel satirizes the creed: "All is for the best in this best of all possible worlds."

Specifically, which German philosopher is Voltaire ridiculing?

Baron Gottfried Wilhelm von Leibnitz

14. FTP each, give these terms from genetics.

✗ 10) Because chromosomes contain multiple genes, some traits often occur together. FTP, name the term for this phenomenon.

gene linkage

✓ 10) Linked genes can be separated when two homologous chromatids exchange segments of chromosomes. FTP, name this phenomenon.

crossing-over

✗ 10) FTP, give the general term for any non-sex chromosome.

autosome

15. Given the paintings, name the artist on a 10-5 basis:

10) Bathers at Asnieres

✓ 5) Sunday Afternoon on the Island of La Grande Jatte

Georges Seurat

10) The Sick Child, Melancholy

✓ 5) The Scream

Edvard Munch

10) Soft Construction with Boiled Beans: Premonition of Civil War

5) The Persistence of Memory

Salvador Dali

16. Give these terms from solution chemistry for the stated number of points.

✗ 5) This quantity equals the number of moles of solute per kilogram of solvent.

molality

✗ 10) Name the effect which causes the solubility of a salt to be depressed when the solution and the solid salt have one of the same ions.

common-ion effect

✗ 15) This French chemist's law states that the vapor pressure of a solvent in solution is equal to the mole fraction of the solvent times the vapor pressure of the pure solvent.

Raoult's Law

17. In recent years, the face of Europe and the former Soviet Union has changed dramatically. Many new countries have been formed and are struggling to create a national identity. For 10 points apiece, given the name of a (relatively) new country, give it's capital.



- a) Croatia  
\_Zagreb\_
- b) Slovakia  
\_Bratislava\_
- c) Uzbekistan  
\_Tashkent\_

18. Sure, you know Brazil won the last World Cup, but FTP each, can you name the three previous winners?

\_West Germany\_, \_Argentina\_, \_Italy\_

19. Given the quantity, give the Derived SI Unit of Measure, 5 points each with a bonus five for all five:

- a) Capacitance: FARAD
- b) Conductance: SIEMENS
- c) Inductance: HENRY
- d) Magnetic Flux: WEBER
- e) Activity of Radionuclides: BECQUEREL

20. 30-20-10 name the composer from works:

(30) \_La Campanella\_, \_A Symphony to Dante's Divine Comedy\_

(20) \_Mephisto Waltz\_, \_A Faust Symphony\_

(10) \_Hungarian Rhapsodie No.2\_

Franz \_Liszt\_