

Philly Experiment IV: (Insert Title Here)

Round 10

Packet by: The Addams Family

✓ 1. These geological features are defined by the angle and direction in which their blocks move. Dip is the angle of maximum slope, and strike is the horizontal component of the slope. In a normal one, the plane is inclined steeply towards the downthrust block. FTP, name this geological formation whose other types include reverse, transcurrent, and strike-slip and where most earthquakes occur.

faults

✓ 2. In AD 486 he gained control of northern Gaul with a victory at Soissons. Following that, he conquered the Thuringians, the Burgundians, and the Visigoths. In 496 he converted to Christianity after defeating the Alemanni, and he established his capital at Paris. FTP, name this Frankish king, the founder of the Merovingian kingdom.

Answer: Clovis I

✗ 3. There are three different versions of this 14<sup>th</sup> century allegory by at least two authors. The complete title begins The Vision of William Concerning the title character, and it describes the dreams of a poet sleeping in the Malvern Hills as he comes upon the tower of Truth, the dungeon of Wrong, and men named Do-well, Do-bet, and Do-best. FTP, name this English work usually attributed to William Langland.

The Vision of William Concerning Piers Plowman

✓ 4. The Chisos mountains, here, are heavily eroded so that geological processes are easily seen in the Boquillas, Mariscal, and Santa Elena Canyons. Wildlife include the Rio Grande beaver, the Sonoran deer, and the Texas peccary. FTP, name this national park that is named for the area of the Rio Grand that forms its southern boundary.

ans: BIG BEND

✓ 5. Ralph Leighton wrote his book "Tuva or Bust" about this Nobel laureate's voyage to the tiny country. During WWII this man worked on the Manhattan project in Los Alamos. He won his Nobel physics prize in 1965 for his work on QED: quantum electrodynamics. FTP name this great mind and "curious character" who also solved the mystery of the Challenger explosion.

Answer: Richard P. Feynman

✓ 6. Nicholas Negroponte is the senior columnist at this young magazine featuring Fetish, Raw Data, the Geek Page, and Electrosphere. Computers, the Internet, technology, popular culture, and Cyberia are among the topics discussed in its pages. FTP name this flashy, colorful monthly of the Information Age.

Answer: Wired

7. Its properties were reported in the July 3 issue of Nature. Relativistic effects seem not to affect it the way they affect Rutherfordium and Hahnium, so it is chemically like the other members of group 6, including tungsten and molybdenum. FTP, name this element--number 106--the only element named after a living person.

ans: SEABORGIUM

8. A doctor's daughter, her work as a nurse supplied background for early novels The Friendly Young Ladies and The Charioteer. Born Mary Challans and educated at St. Hughes College, Oxford, her chief fame comes from historical works that combine liveliness with a scholarly interpretation of the ancient world. FTP, identify this author of The Bull from the Sea and The King Must Die.

Answer: Mary RENALT (accept Mary CHALLANS on a buzz before its appearance in the question)

9. Educated at the University of Chicago and Harvard, she taught philosophy at several schools before publication of her first novel, The Benefactor. Her second novel, Death Kit, was followed by a collection of pieces in Against Interpretation and Other Essays. FTP, name this author who wrote about her cancer and the stereotypical thinking that surrounds disease in general in Illness as Metaphor.

Answer: Susan SONTAG

10. A favourite decorative motif, it probably originated in the Levant in the 2nd millennium BC. In Asia it had a crested head, whereas in Greece and Crete it usually had a mane of spiral curls. Greek metalworkers evolved a handsome stylized rendering: an open beak to show a curling tongue and the head with horses' ears and a large knob on top. FTP, name this guardian creature that has a lion's body and a bird's head.

ans: GRIFFIN

11. Inspired by the author's second whaling voyage, it controversially depicts the failure of missionary work in Tahiti. After his flight from the Marquesas, the nameless narrator is rescued from the sea and signs on with the ship Julia. The ship proves unseaworthy, so the crew refuses to leave Tahiti. The author later leaves on the ship Leviathan. FTP, identify this Melville sequel to Typee.

Answer: Omoo

12. It was used for rapid deployment by King Arthur's troops in A CONNECTICUT YANKEE IN KING ARTHUR'S COURT. The first was invented in 1790 by Comte Mede de Sivrac and was called a celerifere [say lair ee fair]. Baron Karl von Drais invented an improved model--called a draisine--in 1816. The penny farthing's front wheel was 5 feet high. FTP, name this form of transportation, popular in China.

ans: BICYCLE

✓ 13. All men served in their army, and they protected themselves with rawhide shields and cotton armor. They normally fought with bow and arrow; however, they also developed a wooden sword embedded with obsidian teeth called a maquahuitl [mah kwa HWEE tul]. FTP, name this nation whose first emperor was Acamapichtli [uh ka ma PITCH t'lee] and whose last was Montezuma II.

ans: AZTECS

✓ 14. This city's name means "South Capital" in Chinese. It was the capital of China from the third to the sixth century A.D. and was Chiang Kai-shek's capital from 1928-37. FTP name this east-central Chinese city located on the Yangtze river that was opened to trade by a famous treaty in 1842.

Answer: Nanjing, accept Nanking

✓ 15. One of the advertising slogans for this movie was, "Don't give away the ending--it's the only one we've got!" Because the star actress only appears in the first half of the film, the director took the then unusual step of insisting that people be allowed in only if they showed up at the beginning. FTP, name this movie which starred Janet Leigh as the slightly disturbed Marion Crane and Anthony Perkins as the extremely disturbed Norman Bates.

Psycho

✓ 16. Its inactivation at the late blastula stage can cause the lines of Blaschko in humans and the patches in calico cats. For dosage compensation reasons, in patients with Klinefelter's syndrome it is turned into dense heterochromatin, an inactive form known as a Barr body. FTP, name this chromosome that includes the genes for color-blindness and hemophilia, the female sex chromosome in humans.

ans: X-chromosome

✓ 17. Born in New York City and educated at Harvard, he taught philosophy there under George Santayana and later was one of the founders of The New Republic. He served as assistant to the Secretary of War from 1917 to 1919 and later became an editorial commentator for the Herald Tribune. FTP, identify this author of The Phantom Public and two-time Pulitzer Prize-winner for reporting in 1958 and 1962.

Answer: Walter LIPPMANN

✓ 18. In his first well-known role he played Duke Mantee in THE PETRIFIED FOREST. He also played gangsters in DEAD END, THE ROARING TWENTIES, and HIGH SIERRA. FTP, name this actor whose other films include KEY LARGO, THE TREASURE OF THE SIERRA MADRE, and an Oscar-winning performance in THE AFRICAN QUEEN.

ans: Humphry BOGART

19. Professional Secrets is a collection of this Frenchman's autobiographical writings. His The Infernal Machine is an adaptation of Sophocles' Oedipus Rex, and his 1925 play Orpheus was later made into a movie which he directed. He wrote a novel entitled Les Enfants Terribles. FTP, name this avant-garde writer most famous for his screen adaptation of Beauty and the Beast.

Answer: Jean Cocteau

20. Born in Parry Sound, Ontario, his storied career ended in 1976 after a brief, injury-riddled stint with the Chicago Blackhawks. He won the NHL's most valuable player award three times, and twice won the scoring trophy, perhaps explaining why he holds every defenseman scoring record imaginable. FTP, name this Hall-of-Fame hockey legend, who played ten years for the Boston Bruins.

Answer: Robert Gordon (Bobby) Orr

21. Erik Bruhn, Nora Kaye, Melissa Hayden, Edward Villella, Carla Fracci [FRAH-chee], Conrad Ludlow, Mimi Paul, Violette Verdy, Francisco Moncion, Galina Ulanova, Maya Plisetskaya [PLIH-sut-sky-uh], Alicia Markova, Margot [MAR-go] Fonteyn [fawn-TANE], Vaslav Nijinsky, Anna Pavlova, Rudolf Nureyev, and Mikhail Baryshnikov, all, FTP, are leading performers in what dance form?

Answer: BALLET (accept equivalents; e.g., ballet dancers)

Bonus questions for The Addams Family.

1. From benchwarmer Pat Riley to Hall-of-Famer Lenny Wilkens, many of today's NBA coaches played in the league themselves, with greatly varying degrees of success. FTP each, name these current coaches from clues about their playing careers. You'll get 5 if you need the team they currently coach

- ✓ (a) He backed up Willis Reed and Dave DeBusschere on the New York Knicks' championship teams of the early '70s.

5: Chicago Bulls  
Phil JACKSON

(b) One of the original members of the Chicago Bulls, he was one of the best defensive players in the league in the '60s and '70s, and his number was retired by the Bulls.

5: Utah Jazz  
Jerry SLOAN

- ✓ (c) He was one of the league's best shooters when he played for the Rockets in the '70s, but his career was cut short when his face was disfigured by a punch from the Lakers' Kermit Washington.

5: Houston Rockets  
Rudy TOMJANOVICH

2. FTP each, identify the following topological terms.

- X (a) It's the term for a continuous function that has a continuous inverse.  
Homeomorphism

- X (b) In a topological space, this type of subset has the property that its closure equals the entire space.  
Dense

- X (c) In this type of region, any curve whose trace is contained within the region is homotopic to a constant curve.  
Simply Connected

3. Comics are just as popular in Europe as they are in the U.S. FTP apiece can you name these popular French cartoons from their descriptions?

- X a. Named after it's main character (whose name in English makes you think he is a metal worker) this series features a young reporter and his dog .

Answer: The Adventures of Tintin [TAN TAN]

- ✓ b. Also named after its main character this comic follows the adventures of a little Gaulish warrior as he does battle with Roman legionaries with the help of a magic potion that gives him superhuman strength.

✓ Answer: Asterix

- ✓ c. These little characters were originally a French comic strip before they began la la la la la-ing across American screens as a cartoon

Answer: The Smurfs

4. Identify these evolutionary biology terms for 10 each.

☒ a) A monophyletic group, meaning all members are descended from a single species.  
Answer: CLADE

☒ b) A polymorphic factor in which males and females differ in anatomy not related directly to reproduction. Answer: sexual DIMORPHISM

☒ c) A special case of genetic drift in which a very small colonizing group does not represent its original community.  
Answer: FOUNDER(s) EFFECT

5. FTP apiece, answer these questions about everyone's favorite state: Arkansas.

☒ 1. In 1968, Arkansas failed to vote for a democrat for the first time in a century. Who got Arkansas's electoral votes?

ans: GEORGE WALLACE

☒ 2. What is Arkansas's usual nickname?

ans: LAND OF OPPORTUNITY

☒ 3. Born in the "Old Arsenal" in Little Rock, the park named for this man in Little Rock houses the Arkansas Arts Center.

ans: DOUGLAS MACARTHUR

☒ 6. Given a literary work, give its location FTP each.

☒ a) Much Ado About Nothing Answer: MESSINA

☒ b) Return of the Native Answer: WESSEX

☒ c) The Maltese Falcon Answer: SAN FRANCISCO

7. FFP apiece and a bonus five for all correct, given an example, name these groups whose name begins with "A-M-P-H."

☒ 1. Dexedrine

ans: AMPHETAMINE

☒ 2. Caecilian

ans: AMPHIBIAN

☒ 3. Madison Square Garden

ans: AMPHITHEATRE

☒ 4. Lancelet

ans: AMPHIOXUS

☒ 5. Tremolite

ans: AMPHIBOLE

8. Given descriptions, name these things from 1887 American History FTP apiece.

☒ 1. This act seeks to prevent soil erosion by providing funds for agricultural research stations. An identically named 1939 act was passed to prohibit certain Federal office holders from participating in political elections.

ans: HATCH act

☒ 2. This act is repealed in March, allowing President Cleveland to suspend or fire whom he wishes.

ans: TENURE OF OFFICE act



3. This man organizes the Boone and Crocket Club to oppose the needless slaughter of big game.  
ans: Theodore ROOSEVELT

9. Name these diseases of the immune system FTP apiece.

✓ 1. This disease's symptoms included anti-DNA antibodies and a "butterfly" rash on the face. It can come in discoid and systemic types.

ans: LUPUS erythematosus

✓ 2. This disease is modeled in mice by experimental autoimmune encephalopathy. It is marked by demyelination of neurons.

ans: Multiple Sclerosis

✗ 3. Abbreviated "SCID," this disease prevents to production of T or B cells and causes "bubble babies."

ans: SEVERE COMBINED IMMUNE DEFICIENCY

✓ 10. A group of Tory intellectual writers formed in 1713 together invented a character, a pedantic hack whose intellectual shortcomings they recorded in fictional memoirs. This group became known as the Scriblerus club after the character they created. FFPE, name any 6 of the 8 writers who were members.

Answer: Jonathan SWIFT, Alexander POPE, John ARBUTHNOT, John GAY, Thomas PARNELL, Francis ATTERBURY, William CONGREVE, and Robert HARLEY or 1<sup>ST</sup> EARL OF OXFORD

✗ ✗ ✗ ✗ ✗

11. Identify the following terms from linguistics for ten points each.

a) The smallest meaningful unit of speech, either a word or part of a word with meaning.

Answer: MORPHEME

b) A consonant articulated without friction and capable of being prolonged like a vowel.

Answer: LIQUID

c) A simplified form of a language, used by people who don't speak a common language.

Answer: PIDGIN

12. They're big, they're heavy, they're made out of concrete, they're dams..

✓ For 5: This Nevada dam began in 1931 by the Bureau of Reclamation was an incredible 85 meters taller than any previous dam in the world.

Answer: Hoover Dam

✓ FTP: This massive dam completed in 1942 produces the most hydro-electric power of any U.S. dam.

Answer: Grand Coulee Dam

✗ For 15: Located on the Parana river between Brazil and Paraguay, this dam produces the most electric power of any dam in the world: enough to light 120 million 100 watt light bulbs at once.

Answer: Itaipu Dam

13. For ten points apiece, answer these questions about a 20th-century American poet.

- ✓ 1. First, identify this poet who stated "all art begins in the local" and who accordingly used his local New Jersey along with historical documents, newspaper stories, geological surveys, and personal letters to create one of his most renowned poems.

Answer: William Carlos WILLIAMS

- ✓ 2. Next, identify the aforementioned poem, which he published in five volumes between 1946 and 1958 and which refers both to a city near his home town Rutherford and to the poem's character.

Answer: PATERSON

- ✗ 3. Finally, identify the poem's dominant image, a nearby river whose fluidity and continual motion unites human experience with time.

Answer: PASSAIC River

14. One rock band that just doesn't have enough questions written about it is Queen. FTP each, given some lines from a Queen song, you name the tune.

- ✗ (a) "Well, I loved a million women in a belladonnish haze,  
And I had a million dinners brought to me on silver trays.  
It gives me everything I need, to feed my body and my soul,  
When I grow a little bigger, maybe that can be my goal!"

ans: "Keep Yourself Alive"

- ✓ (b) "I was just a skinny lad, never knew no good from bad,  
But I knew life before I left my nursery.  
Left alone with big fat fanny, she was such a naughty nanny.  
Heap big woman, you made a bad boy out of me!"

ans: "Fat Bottomed Girls"

- ✗ (c) "Adventure seeker, on empty streets,  
Just an alley creeper, light on his feet.  
Young fighter screaming, but no time for doubt,  
With the pain and anger, can't see a way out."

ans: "I Want It All"

- ✗ 15. Identify these "C" terms from religious architecture FTP apiece.

- ✓ 1. A draped female statue used as a column.

ans: CARYATID

- ✗ 2. The Eastern end of a Romanesque or Gothic church.

ans: CHEVET

- ✗ 3. This type of arch is formed by building the sides of two walls closer together until the gap can be closed by a row of bricks. Since it is not curved, it is not a true arch.

ans: COBBELED arch

16. 30-20-10-5: identify the actor from a list of his films.

✗ 30: Excalibur and Lady Jane

✗ 20: L.A. Story and Jeffrey

✓ 10: Dune and the upcoming Conspiracy Theory

5: Star Trek: First Contact

Answer: Patrick STEWART



17. Answer the following about scientific dating techniques, ten points each.

a) A newer method of dating involves the breakdown of Potassium-40 into what element?

Answer: ARGON

b) The best-known technique is probably Carbon-14, however its use is limited by its short half-life. What is the oldest date scientists accept from a C-14 test (10 points if correct to the nearest thousand, 5 if within 3 thousand years)?

Answer: 28,000 YEARS (5: 25,000 - 31,000)

c) In this technique, trapped electrons are caused to resonate in a magnetic field. It has proved most useful for electrons trapped inside tooth enamel.

Answer: ELECTRON SPIN RESONANCE or ESR

18. FTP each name these governors from their description.

a. This western governor was recently tapped to head the Democratic National Committee.

Answer: Roy Roamer

b. This acknowledged Dead Head may become Clinton's next ambassador to Mexico.

Answer: William Weld

c. This son of a former president won in his state while his younger brother lost his election for governor of Florida.

Answer: \_George W. Bush\_

19. For ten points apiece on the first clue or for five on the second, identify the country from a major city.

1. 10 pts.: Aleppo

5 pts.: Damascus

Answer: SYRIA

2. 10 pts.: Hyderabad

5 pts.: Rawalpindi

Answer: PAKISTAN

3. 10 pts.: Poltava

5 pts.: Kiev

Answer: UKRAINE

20. Name these peace activists for ten points each.

1. This first female elected to the House voted against both World Wars.

ans: Jeanette RANKINE

2. This philosopher and author of CONQUEST OF HAPPINESS helped form the Pugwash conference.

ans: Bertrand RUSSELL

3. This archbishop of San Salvadore read lists of the disappeared or killed during Mass until he was gunned down in 1980.

ans: Oscar ROMERO