## Philly Experiment IV: (Insert Title Here)

Round 13
Packet by: Team Shamteam

1. This disease can be caused by a variety of enzyme defects, all of which lead to a defect in purine metabolism. Treated by the drug allopurinol, which inhibits xanthine oxidase, this disease leads to a buildup of uric acid in the blood and tissues, leading to kidney malfunction and deposition of sodium urate in the joints. FTP, what is this malady, historically associated with "high living"?
Answer: gout (prompt on _Lesch-Nyhan_syndrome)
2. Later in his career he fought in the Third Mysore War, defeating Tippu Sultan, and he established an eponymous code while serving as Governor-General of India. During the American Revolution, he had routed the Americans at the Battle of Camden as part of the initially successful Carolina Campaign. FTP, name this general whose defeats at King's Mountain and Cowpens set up his October 19, 1781 surrender at Yorktown. Answer: Lord Charles _Cornwallis_
3. Trained as a composer, he often used musical references in his novels, including _Napoleon Symphony: A Novel in Four Movements_. He wrote the novel _One Hand Clapping_ under the pseudonym Joseph Kell. FTP, name this author whose most famous work is a political satire featuring a slang vocabulary created mostly from Russian words, adapted into a film by Stanley Kubrick, entitled _A Clockwork Orange_.
Answer: Anthony _Burgess_(prompt on John Wilson)
4. When asked if Al Gore was the presumptive Democratic nominee for 2000 , he said, "He certainly is presumptive." He's considering making his second run for the White House, after his highly-touted 1992 candidacy floundered. FTP, name this Vietnam War hero and erstwhile beau of Debra Winger, a former Governor and current Senator from Nebraska.
Answer: Bob _Kerrey_
5. Parmenides, Heraclitus, Pythagoras and Socrates were from different areas and different ages, so there would be no chance of them meeting one another, let alone Michelangelo. However, this didn't stop a representation of all of them, among other noted ancient philosophers, from appearing as a mural in the Vatican Palaces. FTP, name this work which includes a portrait of the artist, Raphael, among the philosophers? Answer: The _School of Athens_
6. Its dedication credits an erotic French work, Le Comte de Gabalis, and the Rosicrucians." First published in two cantos in 1712 with the permission of Arabella Fermor, it was subsequently enlarged to five cantos with the introduction of the sylphs and gnomes. FTP, name this mock-heroic poem based on a real-life episode between Lord Petre and Miss Fermor, written by Alexander Pope.
Answer: "The _Rape of the Lock_"
7. He helped Dewitt Clinton establish the "Albany Regency" in New York politics before béing elected Senator in 1820. His reelection in 1826 was followed by election to Governor in 1828, before he resigned to become Secretary of State and later Vice President for Andrew Jackson. FTP, name this man, presidential candidate for the Free Soil Party in 1848 after his presidency ended in 1841.
Answer: Martin _van Buren_
8. They can be defined as the limits of Cauchy \{koh-shee'\} sequences of rational numbers, as Dedekind cuts of the rationals or as countably infinite sequences of zeros and ones. The ancient Greeks thought that they were all rational, but it turns out that almost none of them are. What word, FTP, describes these numbers, the cardinality of which is the subject of a famous conjecture of Cantor?
Answer: _Real_s (Wrong: irrational)
9. Numbered Opus 55, this work's E flat major tonality emphasizes its vast scale. Most famous for its second movement, the Funeral March, this work is also significant for its historical context. FTP, name this symphony started soon after the Heiligenstadt
Testament and written "to celebrate the memory of a great man", initially called "Bonaparte" until Beethoven learned that Napoleon had crowned himself emperor. Answer: _Beethoven's 3rd_Symphony or Beethoven's _Eroica_Symphony
10. North of the border, it's a party of Westerners who don't like the special benefits they think Quebec is getting. This side of the border, it's a 3rd party of disaffected fans of changes in campaign finance policy. FTP, give the shared name of these parties, whose most recent standard bearers have been Preston Manning and Ross Perot.
Answer: _Reform_party
11. Instrumental in the French victory at Hohenlinden in 1800, he was given command of the 6th Corps in 1804. He served with distinction at Jena, Eylau, and Friedland before being removed as a result of a quarrel with his commander, Andre Massena. Following disastrous defeats at Borodino and Leipzig, he urged Napoleon to abdicate, but rejoined him during the Hundred Days. FTP, name this French marshal.
Answer: Michel _Ney_
12. This golfer has long been one of Europe's best, but his Open playoff loss three years ago to Ernie Els set a pattern of falling short in the majors. He welcomed the chance to go head to head with Tiger Woods in the 3rd round of the Masters and shot himself out of contention. He was also the first round leader of the 1997 U.S. Open before falling short, once again to Els. FTP, name this hot-headed Scotsman.
Answer: Colin _Montgomerie_
13. In later legend she became a succubus who caused nocturnal emissions and the birth of witches and demons. She gave birth to genies after she slept with the devil according to Islamic tradition, but is best known for her refusal to submit to the missionary position in Jewish tradition. FTP, identify this namesake of a summer rock festival who was forced out of Eden and replaced by Eve when she did not submit to Adam.
Answer: _Lilith_
14. This 1898 tale was dramatized by William Archibald as 1950's _The Innocents_. The governess, engaged to take care of two orphaned children living at Bly, soon begins to feel the presence of intense evil, in the form of her predecessor, Miss Jessel, and her employer's ex-valet, Peter Quint. FTP, name this novella describing the haunting of Miles and Flora, written in 1898 by Henry James.
Answer: The _Turn of the Screw_
15. It may occur in chelated \{kee' lated \} compounds through the Bailar twist or the RayDutt twist. This type of chemical reaction is also photochemically induced in a portion of the eye protein rhodopsin in the primary event of vision. FTP, name this type of reaction, seen when straight-chain alkanes are converted to branched chains, where compounds are changed to chemically different forms having identical chemical formulas.
Answer: isomerization
16. During World War I, the Irish Republican Brotherhood, led by Patrick Pearse, believed that the war was a chance for Ireland to gain independence. To protest British pøstponent of home rule, on April 24, 1916, 1700 republicans launched this revolt. Although quickly put down, the event prompted the formation of the Irish Republic three years later. FTP, identify this rebellion named for the holiday on which it began. Answer: The _Easter_Rising or Uprising or Rebellion
17. Although he became one of France's best-known figures, he thrice failed the entrance exam for their its prestigious art school. He generally worked in bronze, but his _The Kiss_ was sculpted in marble. His _Monument to Balzac_ was initially rejected as grotesque. FTP, who was sculptor of _The Call to Arms_, _The Hand of God_ and _The Gates of Hell_?
Answer: Auguste _Rodin_
18. He shares his name with a dog and a city, and according to one story, this huge monster killed a bull and a satyr which were troubling Arcadia. He failed in his most famous role when the god Hermes essentially talked him to sleep and then killed him. FTP, name this monster whom Hera assigned to keep Zeus away from Io, whose hundred eyes now adorn the peacock's tale.
Answer: _Argus_
19. Popularized in 1960s Jamaica by Prince Buster and Jah Jerry, it became popular in England in the 1970s due to Jamaican immigration there, where it was fused with punk
by bands like The Specials, Madness, and the English Beat. FTP, name this musical style which emphasizes off-beats and catchy horn parts, some of whose well-known performers today include Dance Hall Crashers, Fishbone, and The Mighty Mighty Boss-Tones.
Answer: _ska_
20. In his earliest work, _On the Concept of Number_, this philosopher applies the psychology of his teacher, Franz Brentano, to the problem of our knowledge of arithmetic. He became preoccupied with the problem of reconciling the subjective nature of mental life with the objective side, as evidenced by his _Logical Investigations_. FTP, name this author of _Cartesian Meditations_ and founder of phenomenology.
Answer: Edmund _Husserl_
21. Born in Rome around 480 AD , his treatises on theological subjects were revolutionary in that his examination of theology did not include the Sacred Scriptures. Often called, "the last of the Romans, the first of the Scholastics", he is far better known for summarizing Euclid and translating Aristotle. FTP, name this philosopher and advisor to Theodoric, whose best-known work is _The Consolation of Philosophy_. Answer: _Boethius_
22. 30-20-10-5, give the common name:
A. This count of Flanders was elected the first emperor of the Latin Empire of Constantinople by the Crusaders in 1204.
B. A man with this surname was Rudyard Kipling's cousin and was elected Prime Minister of England three times between 1923 and 1937.
C. A novelist with this surname wrote the works _Another Country_, _The Fire Next Time_, and _Blues for Mister Charlie_, and several others.
D. Alec, William, Stephen, and Daniel are part of a famous acting family. Answer: Baldwin
23. Answer the following about nucleotides and base pairing, FTP each:
A. FFP each, name the two standard purines found in DNA?

Answer: _adenine_ and _guanine_
B. FTP, in the 1940's this biochemist determined four rules regarding DNA base pairing, including that the sum of the purines equals the sum of the pyrimidines, which greatly aided Watson and Crick.
Answer: Erwin _Chargaff_
C. FFP each, in DNA, how many hydrogen bonds join guanine-cytosine bonds and adenine-thymine bonds, respectively?
Answer: three (for G-C bonds), two (for A-T bonds)
3. Given the clues, identify these literary chains FTPE (both parts must be correct):
A. A Hemingway story of a love affair between an American lieutenant and an English
nurse and a George Bernard Shaw play whose title was taken from the first line of The Aeneid.
ANSWER: A _Farewell to Arms and the Man_
B. A Balzac novel, part of La Comedie Humaine (The Human Comedy), that describes an old man ruined by his love for his two daughters, and a Willa Cather work about frontier life for an immigrant family
ANSWER: Pere Goriot (Oh) Pioneers! (Accept Old or Father Goriot)
$\varnothing$. The French poet of Les Fleurs du Mal and a less-famous work of Bram Stoker whose
movie version starred Hugh Grant.
ANSWER: Charles _Baudelaire (Lair) of the White Worm_
4. Scandal is a daily event in Washington. Answer these questions about Congressmen involved in pursuing wrongdoers, FTP each.
A. This actor chairs the Senate Committee investigating Clinton.

Answer: Fred Dalton_Thompson_
B. This hot-headed Indiana Representative chairs the House Committee investigating Clinton.
Answer: Dan _Burton_
C. These two have pursued Newt Gingrich at every turn. FFP each, name the Georgia hero of the Civil Rights Movement and the Michigan Minority Whip.
Answer: John _Lewis_ and David _Bonior_
5. Name these ancient Asian kingdoms for 10 points each:
A. Roughly corresponding to the modern territory of Yemen, this ancient Arabian kingdom with capital at Ma'rib dominated Red Sea and Indian Ocean trade during the first millennium B.C., but may be best known for a biblical story about King Solomon. Answer: _Sheba_or_Saba_
B. This empire reached its peak during the reign of Suryavarman II, during which the immense Angkor Wat was built.
Answer: _Khmer_
C. This kingdom prospered from the 3 rd to the 15 th century and covered parts of Vietnam, Cambodia, and Laos. They sacked Angkor in 1177 but were destroyed by
X Annam in 1471.
Answer: Champa (accept: Cham or Chams)
6. Name these prominent writers of the Harlem Renaissance, FTP each:
A. The author of the satire _The Walls of Jericho_, his _The Conjure-Man Dies_ was the first mystery novel written by an African-American.
Answer: Rudolph _Fisher_ and - Yet Dol Masvel -

verse collections of this poet who was stylistically influenced by Keats.
Answer: Countee _Cullen_
C. For 5 points each, name the two well-known writers who collaborated on the 1931
play _Mule Bone.
Answer: Langston _Hughes_; Zora Neale _Hurston_
7. For fifteen points each, identify the number described from a definition of it.
$1.4^{*}(1-1 / 3+1 / 5-1 / 7+\ldots)$ ["four times <pause> 1 minus a third plus a fifth minus a seventh and so on"]
Answer: _pi
2. The limit of the ratios of successive Lucas numbers.

Answer: the _Golden ratio_or _phi_
8. Answer the following somewhat related art questions, FTP each:
A. A famed statue of Zeus, one of the Seven Wonders of the Ancient World, was housed in a temple in this Peloponnesian city.
Answer: Olympia
B. This great Greek artist sculpted that statue as well as the Athena Parthenos.

Answer: Phidias
C. One of this Frenchman's best-known works is Olympia.

Answer: Edouard _Manet_
9. Given the hockey award, identify the individual or team who won the award for the 1996-1997 NHL season. 5 points each with a 5 point bonus for all:
A. Hart Trophy (MVP)

Answer: Dominik _Hasek_
B. Selke Trophy

Answer: Brian _Leetch_
D. Art Ross

Answer: Mario _Lemieux _
E. Which team received the Jennings trophy?

Answer: New Jersey or Devils
10. You are playing these questions and they suck bad, and this makes you angry. Given a statement made to cope with their suckiness, describe the psychological defense mechanism that is being used to deal with anger. 10 points each.
A. I don't think the questions suck, you_ think the questions suck.

Answer: projection
B. I got everything wrong because the questions didn't cover any areas that I knew. And the moderator didn't like me anyway. And, plus, I had a 101 degree fever that day. So it's $X$ not my fault.

Answer: _RATIONALIZATION_
C. These questions don't suck, rather I think they are the best questions that I have ever $X$ heard.

Answer: _reaction formation_
11. Name the following authors who wrote about Arthurian legend, 5-5-10-10:
5. This poet laureate dedicated Idylls of the King to Prince Albert.

Answer: Alfred, Lord _Tennyson_
5. His 1137 History of the Kings of Britain was the first account of the Arthurian legend.

Answer: _Geoffrey of Monmouth_
10. This Middle English poet's Brut made the first mention of the Arthurian legend in

English.
Answer: Layamon
10. This French poet of the 12 th century added substantially to the legend by writing five Arthurian romances, including _Lancelot, ou Le Chevalier de la charrette_.
Answer: _Chretien_de Troyes
12. Identify the following important figures of Northern Ireland's politics of the past and present:
5: He is the leader of the Sinn Fein party in Northern Ireland
Ans: Gerry _Adams_
15: He is the leader of the major Catholic party, the SDLP, and a major figure in
Northern Ireland Civil Rights movement.
Ans: John_Hume_
10: He founed the Sinn Fein party in the early part of this century.
Ans: Alfred _Griffith_
13. Answer the following concerning fluid mechanics, 5-10-15:
A. This law states that as the speed of a fluid increases, the pressure inside the fluid, or $>$ exerted by the fluid, decreases, and vice versa. $\zeta$

Answer:_Bernoulli's_law
B. This is a dimensionless ratio related to the velocity at which smooth flow shifts to
turbulent in both hydrodynamics and aerodynamics. 10
Answer: _Reynolds' number_
C. This man developed a law of viscosity describing the movement of a small sphere through a viscous fluid, and equations named for him and Claude Navier are fundamental to the study of fluid mechanics.

Answer: Sir George _Stokes_
14. Given two films from the British edition of Premiere's recent " 100 greatest of all time" list, name the director of the films for 5 points each with a bonus 5 for all:
A. Blade Runner; Thelma and Louise

Answer: Ridley _Scott_
B. La Grande Illusion; La Regle Du Jeu (Rules of the Game)

1 Answer: Jean_Renoir_
Х. Napoleon; La Roue

Answer: Abel _Gance_
${ }^{\text {D }}$. Bringing Up Baby; The Big Sleep
$\chi_{\text {Answer: }}$ Howard Hawks
E. Paris, Texas; Wings of Desire

Answer: Wim _Wenders_
15. Name the famous authors of the following newly released works, FTP each:
A. The Gospel According to the Son

Answer: Norman _Mailer_
B. Mason and Dixon

Answer: Thomas _Pynchon_
C. American Pastoral

Answer: Philip _Roth_
16. Identify the disease, 30-20-10.
$>$ A. Type A is caused by a deficiency of Factor VIII. Type B, also called Christmas disease, is caused by a Factor IX deficiency.
B. Factor VIII is an intermediate in the "intrinsic pathway", and its deficiency is caused by a sex-linked genetic defect.
C. The "intrinsic pathway" is activated by a damaged tissue surface, and leads to production of a cross-linked fibrin clot, which those afflicted with this disease lack. Answer: _hemophilia_
17. Name the city, 30-20-10:
A. A truce signed in this Bavarian city in 1532 was known as the " $<$ Blank $>$ Standstill" and ended religious wars between the Holy Roman Emperor Charles V and the Protestant Schmalkaldic League.
B. Laws passed in this city in 1935 denied the citizenship of German Jews and forbade them to marry or have sexual relations with non-Jews.
C. War crimes trials held here after World War II punished Nazi leaders.

Answer: _Nuremberg_
18, Identify the following scientific laws, all of which are named for scientists, FTP each:
A. His law states that the volume of a gas varies inversely with the amount of pressure applied to it.
Answer: _Boyle's_Law
B. This is a quantitative relationship between the quantity of heat produced in a conductor and an electric current flowing through it, stated as $\mathrm{H}=3 \mathrm{DRI}$ squared.
Answer: _Joule's_Law
C. The sprinkling of salt to melt an icy road works because of this law. It states that the partial pressure of a component is equal to the vapor pressure of that component before mixing, multiplied by its mole fraction in the solution.
Answer: _Raoult's_Law
19. Identify the religious occupation from description, 10 points each:
A. The priestly hierarchy of ancient Zoroastrianism, they were keepers of the cult and of sacrificial power, but are more famously associated with another religious setting.
Answer: _Magi_( singular: Magus)
B. In Islam, this title meaning "teacher" or "master" is bestowed on a person who is considered an authority in religious law.
Answer: _mullah
C. This word, derived from the Arabic for "poor", refers to a Muslim or Hindu mendicant monk who belongs to a religious order but lives by begging and may be adept in magic and miracle working. In Islamic
cultures the term is often synonymous with dervish.
Answer: _fakir_
20. Given a work of literature which is set during a certain conflict, name the conflict and the author of the work for 5 points each:
A. Man's Fate

Answer: _Chinese Revolution_(Accept reasonable equivalents); Andre _Malraux_ B. Going After Cacciato

Answer: _Vietnam_ War; Tim _O'Brien_
C. "Duce Et Decorum Est"

Answer: _World War I_; Wilfred_Owen_

