

1. Manufactured by Sienar Fleet systems, its most elaborate incarnation bore the name defender. Captured ones were used at the battle of Adumar, and as they lacked landing gear, they were usually stored in racks. Normally deployed in wings of 72, their namesake propulsion system allowed them to be produced for a low 60,000 Credits, although their lack of shields and ejection seats caused their pilots to be killed frequently. Noted for their prominent solar panels, their lack of hyperdrives forced them to be deployed frequently from Nebulon B frigates and other capital ships. Also made in bomber and interceptor varieties, FTP identify this starfighter, also deployed from Star Destroyers and the Death Star, the main fighter of the Galactic Empire in Star Wars.

Answer: **TIE** Fighter (or Twin Ion Engine Fighter)

2. His simple and clear literary style makes his writing accessible to many students of German literature, such as in second volume stories like *Wanderer, kommst du nach Spa*. His polemic style and bitter satire of authority figures, particularly the Catholic Church and generalized governmental figures reflects trends in Trümmerliteratur following postwar Germany, and his attacks on capitalism made him popular in Eastern Europe. Works such *Group Picture with Lady*, *the Clown*, and *The Lost Honor of Katharina Blum* helped make him, after Hermann Hesse, the next German winner of the Nobel Prize for Literature in 1972. FTP, name this author of *Billiards at Half Past Nine*.

Answer: Heinrich **Böll**

3. Secretary of State William Marcy ordered it, and \$130 million was projected as the cost to achieve its goal. Along with John Mason and Pierre Soulé, future President James Buchanan helped to draft it. It was torpedoed by legislators from the North who feared it would lead to the further spread of slavery. Named after the city in Belgium where it was composed, FTP, what was this document calling for annexation of the then-Spanish colony of Cuba?

Answer: The **Ostend Manifesto**

4. It exhibits a perfect blackbody spectrum with a peak at 2.7 degrees Kelvin, although the Wilkinson Microwave Anisotropy Probe has found several slight variations in it. Penzias and Wilson first thought it was related to birds nesting in their equipment and John C Mather and George F Smoot won a Nobel prize for working on it. Deriving from the formation of neutral atoms, around 380,000 years after the big bang. FTP identify this radiation, the remnants of the big bang, which appears in a spectrum commonly used for cooking.

Answer: **Cosmic Microwave Background Radiation** or CMB

5. It opens with a theme based on Russian chant and follows a structure suggested by Balíkirev. Its first version was composed in 6 weeks but was unpopular, while a revised version was its composer's first great success. Its composer tried to compose an opera unsuccessfully on the same story, and its most famous melody may reflect its composer's unrequited love for Vladimir Gerard. FTP identify this work, the first major success of Peter Tchaikovsky, whose love theme describes the relationship between two Shakespearean lovers.

Answer: **Romeo and Juliet** Fantasy Overture

6. Once called the Confucius of Europe, he was the personal physician of Madame de Pompadour, although his more famous work saw him produce a famous zig-zag diagram. His pupils Marquis de Mirabeau, Merrier de la Riviere, and Dupont de Nemours gave the best descriptions of his ideas contrasting, ordre naturel and ordre positif, although using the pseudonyms M.N., M.H., M.A., M. de Isles he himself outlined his belief that land was the only source of wealth and all other activities were sterile. FTP identify this economist, the founder of the Physiocrats.

Answer: François **Quesnay**

7. A hardy species, specimens of two species of it, *Rhizocarpon geographicum*, *Xanthoria elegans* survived 15 days exposed in outer space. They formerly comprised the division Mycophycophyta and Beatrix Potter first suggested the modern understanding of them. They normally are formed by members of Ascomycota, and the foliose variety have primitive leaves. Ones containing cyanobacteria can fix nitrogen, and they only take their normal form after coming into contact with a photobiont. FTP identify this form of symbiosis in which a fungus lives with a plant.

Answer: **Lichen**

8. It was formalized on August 23, at about the peak of a conflict between one of its signatories and Japan. A secret protocol, which one side for 40 years denied even existed, specified division of territories belonging to neither nation at the time. The war that it primarily concerned began scarcely a week after it was signed, while three months later a separate war with Finland was launched by the Soviet Union. It was officially broken two years later on June 22, 1941, by Operation Barbarossa. FTP name this 1939 agreement, technically known as the Nazi-Soviet Non-Aggression Pact.

Answer: **Molotov - [von]Ribbentrop** Pact (Accept equivalents, including **Nazi-Soviet Non-Aggression** Pact before it comes up)

9. This Louisville, Kentucky native missed his high-school graduation as he spent the day in prison for petty theft. He had a diverse group of friends, including George McGovern, Pat Buchanan, Jack Nicholson, and Benicio del Toro. His distinctive writing style was pioneered in the short story "The Kentucky Derby is Decadent and Depraved." This "gonzo journalist" was portrayed in the film adaptation of his most famous work by his friend Johnny Depp. FTP, who was this author of *Hell's Angels*, *The Great Shark Hunt*, and *Fear and Loathing in Las Vegas*?

Answer: Hunter S. **Thompson**

10. The traditional Latin service on this day is the only one aside from an ordination service to include prostration, and its Improperia include the Trisagion sung in Greek. However, in Jerusalem a Protestant procession is always stopped before it can enter the Church of the Holy Sepulcher. Along with the day that follows, it is the only day on which mass cannot be said in the Roman Catholic Church. Services are traditionally held at 3:00 P.M. the time when, according to the New Testament, the darkness lifted, an earthquake hit, the words "eloi, eloi lama sabachtani" were pronounced and the veil of the temple was torn in two. FTP identify this holiday marking the death of Christ.

Answer: **Good Friday** (or Holy Friday, or Great and Holy Friday)

11. Tu'i Alilia, a tortoise given to its king by Captain Cook, holds the record for oldest known animal. It contains the Vava'u and Ha'apai island groups, and its highest point is on the Island of Kao and it formerly had the world's heaviest monarch, Taufa'ahau Toupou IV. Two thirds of its population, which has the highest percentage of Mormons of any place outside Utah, dwell in its only urban center, Nuku'alofa. The site of an 8.0 earthquake in 2006, FTP identify this Pacific Island country, which contains the Tongatapu islands.

Answer: **Tonga**

12. It was worked by a tribe in South America in the first century B.C. using a process involving urine. Julius Scaliger, the first European to describe it noted that it was "up until now impossible to melt by any of the Spanish arts," and it was first melted by using an elaborate magnifying glass apparatus. Dissolvable only by Aqua Regia, it is also used in an iridium alloy for making fertilizer, and in catalytic converters and fuel cells. Found with Iridium, Osmium, Rhodium, Ruthenium, and Palladium, FTP identify this precious metal, which appears similar to silver but is more expensive than gold.

Answer: **Platinum**

13. He spent his childhood as a hostage at the court of the Byzantine emperor Leo I, and his rival bore the epithet Strabo. Married to Audofleda, the daughter of Clovis I, he was succeeded by his own daughter Amalasantha. He deposed and executed Odoacer, and at the end of his reign quarreled with Pope John I on account of his adherence to Arianism. His advisor Cassiodorus wrote a lost history of the Goths, and he executed his most famous advisor in 524. FTP identify this king of the Ostrogoths who had Boethius executed, not to be confused with a medieval barber in an SNL skit.

Answer: **Theodoric** the Great

14. (VG/CS) Its members include former members of Orgasm Death Gimmicks and Feeling B, while its lead singer was not only drummer for First Arsch but before an injury had qualified for the 1988 Olympics as a swimmer. Their music keeps turning up on soundtracks of game-inspired films, including *Wing Commander*, *Mortal Kombat: Annihilation*, and both *Resident Evil* films. Their penchant for multilingual puns in their lyrics even extends to the extra letter "M" in their name, as it can be translated literally as "battering ram" as well as invoking the air show tragedy at a U.S. military base. Responsible for the albums *Herzeleid*, *Sehnsucht*, and *Mutter*, FTP, name this German industrial metal band whose songs include "Moskau," "Amerika," and "Du hasst."

Answer: **Rammstein**

15. He was a close friend of the Thrale family and wrote a series of semi-weekly essays called the Rambler. He wrote Lives of the English poets and 1765 set of introductions to Shakespeare's plays. He also wrote A Journey to the Western Islands of Scotland after a trip there with his future biographer, and once remarked of its natural wonders that they were "worth seeing but not worth going to see." He also compared a woman preaching to a dog standing on its hinder legs. The author of *Irene* and *Rasselas Prince of Abyssinia*, FTP identify this author of the *Vanity of the Human Wishes*, who composed a dictionary of the English language and whose biography was written by Boswell.

Answer: Dr. Samuel **Johnson**

16. A consequence of the homogeneity of space, it also follows from Newton's third law. Its angular analogue is equivalent to Kepler's second law, and explains the working of a top. It allows for the working of a rocket, and for a given collision it can be used to determine the amount of kinetic energy lost. FTP identify this law evidenced in collisions in which the net product of mass and velocity remains constant in a system.

Answer: **conservation of momentum**

17. Ironically, this man was actually assaulted by a pacifist while walking inside to hear a speech by his most famous opponent. His great-grandfather was a Senator, and he was elected to that body in his own right in 1893, serving as President Pro Tempore for one day. Also ironically, his grandson of the same name served as the U.S. ambassador to the successor to the organization he so vehemently opposed. FTP, who was this Massachusetts Senator, most famous for his isolationism, specifically in opposition to the League of Nations?

Answer: Henry Cabot **Lodge**

18. Sometimes identified with Ahti, he is also called Kaukomieli and could "sing the sand into pearls." He had yellow wavy hair and was married to Kyllikki. Like Ilmarinen, he attempted to marry the daughter of Louhi, and after he was dismembered by Märkähattu, his mother reassembled his body with Ukko's honey. A possessor of the sampo, FTP identify this character from Finnish mythology whose exploits are the subject of a cycle of tone poems by Jean Sibelius.

Answer: **Lemminkäinen**.

19. He studied under Titian before leaving Italy in 1577 to work on the altar of the Church of Santo Domingo del Antiguo, the centerpiece of which was his *Assumption of the Virgin*. His portraiture included a long series and of St. Francis and two of St. Jerome, as well as the inquisitor Don Fernando Nino de Guevara. His style included discordant cool colors, as well as elongated lines typical of the Mannerists. FTP, who was this native of Crete, painter of *Burial of Count Orgaz* and *View of Toledo*?

Answer: **El Greco** [accept Domenicos Theotokopoulos if they really must show off like that]

20. Aulus Histius wrote book 8 after its author's death, and each of the previous 7 books deals with one year. Books 4 and 5 describe expeditions against Britain, and Book 3 describes the subjugation of Aquatania, while Book 1 details the campaign against the Helvetiae and Book 7 the siege of Alesia. Its author used a famously simple style, on account of which it is the first work translated by modern students of Latin. Famously stating that the region it is set in is divided into three parts, FTP identify this work which describes the defeat of Vercengetorix, and many other victories of Julius Caesar while on campaign in the area of modern France.

Answer: About the **Gallic War** [or Of the **Gallic War**, On the **Gallic War**, The **Conquest of Gaul**, The **Gallic War**, **Commentarii** de Bello Gallico, **de Bello Gallico**, **Commentaries** on the Gallic Wars...]

21. They range in size from 22 cm to 12 meters. Several species can swim in both salt and freshwater, which lead to a well-publicized 1916 incident that inspired a popular 1975 blockbuster. They go through teeth every 8-10 days, and possess streamlined bodies with skeletons made of cartilage rather than bone. FTP what are these oceangoing predators, whose species include the Nurse, Whale, Mako, Whitetip, and Tiger?

Answer: **Sharks**

22. In the year prior to it, Pope Leo X had issued the bull *Exsurge Domine*, which concerned the issues that this was called to address. Its primary subject was guaranteed safe passage, although an edict also named after the titular city revoked this later. When asked to recant his beliefs near its conclusion, a certain German refused to do so, and he stated: "Here I stand. I can do no other. God help me. Amen." What was this 1521 meeting of church leaders, named after a small city on the Rhine, that FTP, was called to discuss the heretical beliefs of Martin Luther?

Answer: **Diet of Worms**

23. A reverse tragedy based on the actual murder of the Italian Vittoria Accoramboni in Padua, it shows the hypocrisy and misdeeds of the Catholic Church and petty nobility. Count Lodovico is exiled from Rome for murder, and his friends promise to help him become exonerated. The Duke of Brachiano, who is already married, falls passionately in love with Vittoria, who is also married to the Cardinal's nephew. The Duke was suspected of murdering his wife, and Vittoria's brother Flamineo schemes to have her husband killed so that she can marry the Duke. Vittoria is convicted of the murder of the Duke's wife, and Count Lodovico returns from exile and plans to avenge the Duke's wife's murder. FTP, name this play that concludes with Vittoria's murder, by John Webster.

Answer: The White Devil

1. Answer the following random things about electricity FTPE

10 This Law can be stated as the current in a system equals the potential difference times the resistance.

Answer: Ohm's law

10 While this man conducted the experiment, his conclusions were wrong; it was Alessandro Volta who correctly explained why electric shocks made a dead frog's legs move

Answer: Luigi Galvani

10 This Alabama native developed a high voltage static electricity generator, featuring a large metal globe, used more often today in high school science classes than in research labs.

Answer: Robert Van de Graaf

2. (VG/CS) Identify these 20th century Secretaries of State from clues, FTP each:

This former Senator from Minnesota, Secretary of State under Coolidge, is most famous for a 1928 pact he co-signed with a Frenchman.

Answer: Frank B. Kellogg

White House Chief of Staff under Reagan, he became more well-known as the powerful Secretary of State under George H. W. Bush

Answer: James Baker

Similarly, before becoming Reagan's first Secretary of State, he was the Chief of Staff who persuaded Nixon to resign.

Answer: Alexander Haig

3. (VG/CS) Their only common link is that each was part of a separate literature bonus submitted for this packet. Name the authors of the following works FTPE.

a) *The House of the Spirits*

Answer: Isabella Allende

b) *Nathan der Weise* [VYE-zuh], or *Nathan the Wise*

Answer: Gotthold Ephraim Lessing

c) "The Red Wheelbarrow"

Answer: William Carlos Williams

4. Identify the following related to the Weltmeisterschaft, or World Cup if you prefer, FTSNOP.

10 As the intro implied, Germany hosted the men's World Cup this year; FTP name the nation that will host in 2010..

Answer: South Africa

5/5 F5PE,, name the two teams who played in the championship match, one that involved the infamous headbutting incident.

Answer: France and Italy

5/5 F5PE, name the two teams that had the most penalized of the tournament. This round of 16 match had 4 red cards and 16 yellow cards awarded.

Answer: Portugal and Holland (or The Netherlands)

5. Identify the following about a particular German philosopher, FTPE:

a) Born in 1844 to a Lutheran pastor, he suffered a mental breakdown in 1889 and died in 1900. During this time he published *The Twilight of the Idols*, and other works include *der Antichrist*.

Answer: Friedrich Wilhelm Nietzsche

b) This is the work completes formulation of eternal recurrence and of the will to power concepts. It is also his first work to mention the Übermensch concept as well.

Answer: Also Sprach Zarathustra or Thus Spoke Zarathustra

c) In this 1882 work, he mentions compares the Christian view of the afterlife to his concept of eternal recurrence. This is also the work where he famously states that "Gott ist tot" or "God is dead."

Answer: Die fröhliche Wissenschaft or the Gay Science

6. For 5 points each, and 5 for all correct, name the following polyatomic ions, given the formula and charge.

a) Formula: ClO Charge: -1

Answer: Hypochlorite

b) Formula: NO₂ Charge: -1

Answer: Nitrite

c) Formula: Cr₂O₇ Charge: -2

Answer: Dichromate

d) Formula: SCN Charge: -1

Answer: Thiocyanate

e) Formula: NH₄ Charge: +1

Answer: Ammonium

7. Identify the following about composers whose symphonies are oddly numbered FTPE.

10 This Wagnerian composer's work includes a symphony no 0 and no 00 as well as nine conventionally numbered ones including no 4. Romantic.

Answer: Anton Bruckner

10 This man composed two unnumbered youthful symphonies as well Sinfonia Domestica and An Alpine Symphony.

Answer: Richard Strauss.

10 This man composed five numbered symphonies, although the discovery of four unnumbered ones forced his symphonies to be renumbered, making his last and most famous one, "From the New World," no.9.

Answer: Antonin Dvorak

8. (VG/CS) Although more famous for his fiction, Mark Twain also set the standard for the humorous travelogue. FTPE:

a) Helping to establish him as a world class nonfiction writer, it is composed of correspondences and letters to New York and San Francisco while traveling across Europe in 1869.

Answer: The Innocents Abroad, or the New Pilgrim's Progress

b) This 1872 account of an overland stagecoach journey includes Twain's clever jabs at Brigham Young-era Mormons.

Answer: Roughing It

c) Facing bankruptcy, Twain returned to the genre with this less jovial 1897 work. He called the titular geographic feature "wisely put where it is, because if it had been run through Europe all the kings would have tried to grab it."

Answer: Following the Equator

9. Identify the following people who make cameos in Herodotus' *Histories* FTSNOP

10 This proverbially rich last king of the Lydians is defeated by Cyrus the Persian after misinterpreting a response from the Oracle of Delphi.

Answer: Croesus

10 This Pharaoh of the Middle Kingdom and son of Amenemhat is described as a mighty conqueror who extended his empire far enough that he fought the Scythians.

Answer: Senwosret III or Sesostris

5 This Athenian lawmaker advises Croesus that no man is blessed while he is alive.

Answer: Solon

5 This Spartan lawmaker also makes an appearance and Herodotus suggests he brought his famous laws from Crete.

Answer: Lycurgus

10. Answer the following linguistics questions, FTPE:

a) It is defined as the study of sound, human speech, and the physical nature of speech sounds, as opposed to phonology which studies the more abstract speech elements.

Answer: Phonetics

b) This is the most basic element of human speech, it represents the most basic unique sounds in a language that are used to build other more complex structures. They are distinguished from one another by finding minimal pairs among words in a language to isolate and differentiate the words.

Answer: Phoneme

c) Variants of phonemes, these components possess sounds that differ, but not enough to change word meanings when substituted into the same phoneme. No minimal pairs can be found to distinguish them from one another.

Answer: Allophone

11. (VG/CS) Wonder why the international community snickers when we say the U.S. is trying to export democracy? FTPE, given a country and year, name the democratically elected leader deposed in a coup backed by the U.S.
Chile, 1973

Answer: Salvador Allende

Iran, 1953

Answer: Mohammed Mossadegh

Guatemala, 1954

Answer: Jacobo Arbenz

12. Answer the following questions from elementary number theory, FTPE:

a) This algorithm and theorem helps determine the greatest common factor of two integers by using successive iterations of the division algorithm.

Answer: Euclidean Algorithm

b) This theorem states that every positive integer is uniquely decomposable into the product of prime integers raised to some powers.

Answer: Fundamental Theorem of Arithmetic

c) This theorem of modular arithmetic states that for any prime number p , p minus 1 factorial is congruent to negative 1 modulo p .

Answer: Wilson's Theorem

13. Identify the following poem from lines, 10 points each:

a) "Let us go then, you and I,/ When the evening is spread out against the sky/ like a patient etherized upon a table;/ Let us go, through certain half-deserted streets..."

Answer: (The) Love Song of J. Alfred Prufrock

b) "THE WORLD is charged with the grandeur of God. It will flame out, like shining from shook foil"

Answer: God's Grandeur

c) "Half a league, half a league,/ Half a league onward,/ All in the valley of Death/ Rode the six hundred."

Answer: Charge of the Light Brigade

14. Potent Potables, name the drink, FTPE:

a) Equal portions of dry vermouth and gin; stirred, not shaken

Answer: Perfect Martini

b) Tequila, Grenadine, Orange Juice; related to the opposite of twilight

Answer: Tequila Sunrise

c) Mixture of gin, tequila, whiskey, rum, and vodka, splash of lime or lemon, splash of coke; known as a drink to get a teetotaler drunk.

Answer: Long Island Ice Tea

15. Vaughan Williams' Symphonia Antartica rocks. In its honor, answer the following about Antarctic geography FTPE.

10: Like the Ellsworth Mountains of which it is a part, this tallest mountain in Antarctica shares its name with a former Chief Justice of the U.S. Supreme Court.

Answer: Vinson Massif

10: This ice shelf is surrounded by the Gould coast and the Queen Maude Mountains

Answer: Ross Ice Shelf

10: This sea is bordered by the Ronne Ice Shelf and the Antarctic Peninsula.

Answer: Weddell Sea

16. Answer the following about Judaism FTPE

10: According to tradition this text, a compilation of oral law, was compiled by Rabbi Judah the Prince.

Answer: Mishnah

10: This term is applied to one of the two compilations of the Mishnah with a running commentary called the Gemara.

Answer: Talmud

10: The Talmud is written in Hebrew and this related language, found in part of the book of Daniel and spoken at the time of Jesus.

Answer: Aramaic

17. Identify the following modern artists from works FTPE

10 This artist, known as Jack the Dripper, created *Grayed Rainbow*, a copy of which is on this question writer's wall

Answer: Jackson **Polluck**

10 This artist created numerous compositions of rectangles and squares as is exemplified by his *Red on Maroon*.

Answer: Mark **Rothko**

10 This modern artist painted numerous portraits but is better known for his sculptures, like *Chariot*, of tall emaciated figures that look like they were found in Bronze Age tombs.

Answer: Alberto **Giacometti**

18. A Roman general suffers the wrath of the Gothic Queen Tamara after sacrificing her son. However, the last laugh is his when he feeds Tamara and her husband, the Emperor Saturninus, her children baked into a pie. FTPE:

10 Name this gory Shakespeare play, echoed in (of all things) the *South Park* episode "Scott Tenorman Must Die."

Answer: **Titus Andronicus**

10 This daughter of Titus, who shares her name with the second wife of Aeneas, is raped by Tamara's sons and has her tongue and hands severed to prevent her from telling about it.

Answer: **Lavinia**

10 This Moor, the lover of Tamara, is buried up to his neck in the sand at the play's end.

Answer: **Aaron**

19. Give the taxonomic class of the following animals FTPE.

10 Starfish

Answer: **Asteroidia**

10 Eagle

Answer: **Aves**

10 Dung beetle

Answer: **Insecta**

20. Give the number of the Federalist Paper from a description FTP each.

The most famous Paper, this Madison-penned piece detailed the ways in which to combat factions.

Answer: **10**

This paper, also written by Madison, concerns the system of checks and balances.

Answer: **51**

Hamilton wrote this Paper arguing that a bill of rights was not a necessary part of the Constitution.

Answer: **85**

21. Identify the following about a medieval English position FTPE

10 This position, the highest aside from king, was the last office held by Thomas More and Thomas Cromwell.

Answer: Lord **Chancellor** [do **NOT** accept **Chancellor of the Exchequer**]

10 This clergyman was Henry VIII's first chancellor, although he fell from Grace and was succeeded by More.

Answer: Cardinal **Wolsey**

10 This man was Chancellor under Henry II before the latter appointed him Archbishop of Canterbury.

Answer: Thomas a **Becket**

22. Identify the winners of these 2006 awards, FTPE. If multiple winners achieved the same award only one name is needed to be awarded the points.

a) Nobel Prize for Chemistry, for studies in the molecular basis of eukaryotic transcription.

Answer: Roger **Kronberg**

b) Nobel Prize for Biology, for discovery of RNA Inference

Answer: Andrew **Fire** and Craig **Mello**

c) Perhaps the closest analogue to a Nobel Prize for mathematics, the Fields Medal was awarded for among other reasons for efforts towards proof of the Riemann Hypothesis.

Answer: Andrei **Okounkov**, Terence **Tao**, Wendelin **Werner**, and Grigori **Perelman**