

1. Alfred, Lord Tennyson wrote a poem to this man, describing him as: "Cloud-weaver of phantasmal hopes and fears,/ French of the French, and Lord of human tears." The failure of his 1843 *Les Burgraves* was considered the end of French Romantic drama, which he had advanced in the preface to his 1827 historical play *Cromwell*. His novels included *Ninety-Three* and *Toilers of the Sea*. FTP, name this French author of *Les Miserables*.

Answer: Victor **Hugo**

2. Common treats prepared for it are hamentaschen cookies, and children often dress up in costumes similar to Halloween. Celebrated on the 14th day of Adar, which is usually in March, it is marked by the sending of gifts of food and drink, or shalach manos. It marks the day on which Ahasuerus, King of Persia, granted his wife's request and stopped the plot of his advisor, Haman, to exterminate the Jews. FTP, identify this Jewish festival derived from events in the Book of Esther.

Answer: **Purim**

3. The common names for operations on this data structure are often difficult for English-speaking programmers to remember, since they are abbreviations of Dutch phrases. An instance of this data structure is initialized with a single integer value. Operations on the data structure will either increment the integer, or decrement it and block execution if the value is negative. Invented by Edsger Dijkstra ("*DEEK*-stra"), it is considered to be the classic solution to the "Dining Philosophers problem". FTP, what is this, which shares its name with a mechanical device used in railway signaling and a method of long-distance communication using flags?

Answer: **Semaphore**

4. His cousin has played the character Ethan Rom on several episodes of *Lost*. When he was 14, he briefly attended a Franciscan seminary in Cincinnati and aspired to become a Catholic priest, but moved into acting after playing the lead in a high school production of *Guys and Dolls*. He made his film debut as Billy in the 1981 film *Endless Love*, drawing more attention opposite Timothy Hutton and Sean Penn in *Taps*. Emilio Estevez served as best man at his wedding to Mimi Rogers, who is responsible for introducing him to Scientology. FTP name this actor who rocketed to fame in his underpants in *Risky Business*, the star of *Top Gun* and the *Mission: Impossible* films.

Answer: Tom **Cruise**

5. In 1510, he and his dog Leoncico stowed away on a boat going from Santo Domingo to San Sebastian. In 1511, he founded the first European settlement in South America, the town of Santa Maria de la Antigua del Darien. In 1513, he married the daughter of Careta, the local Indian chief, and soon after, he sailed with hundreds of Spaniards and Indians across the Gulf of Uraba to the Darien Peninsula and headed an overland expedition west, which resulted in him becoming the first European to see the eastern part of the Pacific Ocean. FTP, identify this Spanish conquistador.

Answer: Vasco Nunez de **Balboa**

6. They can be classified as Felsic or Mafic, based on the concentration of silica emitted. Spatter, Submarine, Shield, Surtseyan, Cinder, and Composite are some of the variations based on their shapes. The two forms of one distinctive substance they can emit are called aa ("*a-ah*") and pahoe-hoe ("*pa-HOY-HOY*"). FTP, what are these geologic formations, whose members include Olympus Mons on Mars, Mount Pelee, and Vesuvius?

Answer: **volcano**

7. This novel ends with Jimmie giving his mother Mary the news that his sister's dead body has been found. Mary stages a scene of melodramatic mourning for her ruined child, which ends with her deeply hypocritical profession: "I'll fergive her!" Mary had rejected her daughter after her affair with bartender Pete is revealed. After Pete too rejects her, she turns to prostitution. FTP, the daughter is the title character of what novel by Stephen Crane?

Answer: **Maggie: A Girl of the Streets**

8. Not applicable in problems like the growth of a boundary layer, they typically include a conservation of mass equation and three conservation of momentum equations, plus the ideal gas law to close the system. They are a special case of the Navier-Stokes equations when viscosity is zero, and Bernoulli's equation can be derived from them. FTP, identify these fluid equations named after the Swiss solver of the Koenigsberg Bridges problem.

Answer: **Euler** ("*Oiler*") equations

9. He was raised in luxurious Kashmiri home, with an impressive stable and two swimming pools. Educated at home by tutors, most of them English or Scottish, he joined the Theosophical Society at 13. At the age of 15, he left for England, where he studied at Harrow and Cambridge and then for the bar in London. He returned to India in 1912 and served several times as president of the Indian National Congress. He met Gandhi in 1916 and soon embraced his policy of nonviolence. FTP, name this Indian leader, first prime minister of India.

Answer: **Jawaharlal Nehru**

10. His interest in art was spurred when he would go to local jazz shows in New York City and draw pictures of the musicians and their instruments. While he attended Rutgers, Leo Castelli exhibited some his works, including *Look Mickey*. In his best known works, such as *Drowning Girl*, he used oil paints and manga and featured thick outlines, bold colors, and Benday dots. These attributes gave many of his works a photographic look. His most famous painting contains the line "I pressed the fire control... and ahead of me rockets blazed through the sky..." FTP, identify this pop artist who created the work *Wham*.

Answer: **Roy Lichtenstein**

11. "Their foot shall slide in due time," "Divine justice never stands in the way, it makes no objection against God's using his power at any moment to destroy them." "The bow ... of wrath is bent, and the arrow made ready on the string, and justice bends the arrow at your heart." "Natural men are held ... over the pit of hell." The soul is as a spider, "a loathsome insect over the fire." FTP, these are quotes from what July 8, 1742 sermon by Jonathan Edwards?

Answer: **Sinners in the Hands of an Angry God** [prompt on Jonathan Edwards before "sermon"]

12. Plot elements in this author's works include nanotechnology, alchemy, the attempted take-over of American Megaversity by Crotobaltislavonian extremists, an anti-environmental coalition of industrialists and Satanists, the effects of a combination hallucinogenic drug / computer virus, Sumerian mythology, a young cryptographer's work with Alan Turing during World War II, the Glorious Revolution, the origins of calculus, the Metaverse, and how to best eat Captain Crunch cereal. FTP, name this author of *Snow Crash*, *Cryptonomicon*, and the three-volume *Baroque Cycle*.

Answer: **Neal Stephenson**

13. Her first husband was Dr. Charles Gloyd, whom she left because he was a chronic alcoholic. Her second husband divorced her in 1901, citing desertion since she was never home, instead out fighting her cause. She opened a home for drunkard's wives in Kansas City and sold "Home Defender Buttons" as a way to raise money for the temperance cause. Standing 6 feet tall and weighing about 180 pounds, she was a formidable presence when she appeared on the doorstep of a saloon wielding one of her infamous hatchets. FTP, name this temperance reformer.

Answer: **Carry A. Nation** (she was born "Carrie" but changed it for the symbolism)

14. He has an affair with his lawyer's nurse/secretary, Leni, and he has a flirtation with Fraulein Burstner, who lives in his boarding house, which is run by Frau Brubach. His impetuous Uncle Karl encourages him to hire Herr Huld as his lawyer. He finds himself in an awkward position at work one day when he discovers that the warders who initially arrested him are being whipped in the lumber room. FTP, identify this Chief Clerk of a bank, the accused protagonist of Franz Kafka's *The Trial*.

Answer: **Josef K** (do not accept or prompt on just "K")

15. This "prince of mathematicians" gave a proof of the fundamental theorem of algebra in his 1799 dissertation. He helped predict the motion of the planetoid Ceres soon after it was discovered in 1801. His research led to many important discoveries in physics and statistics, and his invention of modular arithmetic greatly simplified work in number theory. FTP, name this German mathematician who lends his name to a law describing electric flux and the unit of magnetic flux density.

Answer: **Carl Friedrich Gauss**

16. It is responsible for the annual Ku-omboka Ceremony in which thousands of inhabitants move annually to higher ground as it floods into the low lying plains. It begins in the Mwinilunga District, crosses the Cholwezi rapids, traverses Barotse Plains, where much of the water is lost to evaporation, then over more rocky country where its tranquil course is interrupted by the Ngonye falls and rapids. It joins up with the Chobe River in the Caprivi Swamps, briefly forming a border with Botswana. FTP, identify this African river which flows over Victoria Falls.

Answer: **Zambezi**

17. In the March, 2006 issue of *Molecular Biology and Evolution*, the authors wrote that splicesomal ones of these are found in the nuclear genomes of all characterized eukaryotes. Their sequences are more varied and often far longer than ones found in bacterial and organellar genomes. Since their discovery in the 1970's, a debate has swirled around whether or not they first appeared early or late in the evolution of life on Earth. FTP, what are these sections of DNA within a gene that do not encode part of the protein that the gene produces, and which are spliced out of the mRNA that is transcribed from the gene before it is translated.

Answer: **Introns**

18. During his reign he financed the construction of waterpipes for the city of Athens. He was a patron of the arts and is sometimes credited with the first written versions of Homer's works, or to at least have supervised the first editions of the odes. He also founded the first public library of Athens. Succeeded by his two sons Hippias and Hipparchus, he made a name for himself during the war against the Megarians (570-565 BCE) After initially coming to power, he was exiled to Euboea, but returned and defeated the rich aristocrats in 541 BCE. FTP, name this Athenian tyrant.

Answer: **Pisistratus**

19. It begins in a small town square where Jean, an efficient, refined young man, meets his semi-alcoholic and fully apathetic friend, Berenger, for a drink. Jean upbraids Berenger for his drinking habits and lectures him about will-power, while a rational Logician explains the concept of a syllogism to an old man. Berenger concedes that he has a crush on Daisy, a typist at his office, but worries that she favors Dudard, an up-and-coming co-worker. Seems a straightforward enough plot...but I forgot to mention that the title characters start tromping through town and eventually some of the characters even begin to morph into them. FTP, this describes what surrealistic play by Eugene Ionesco?

Answer: **Rhinoceros**

20. A 1960 symphonic poem, Op. 65 by Dmitri Kabalevsky; a 1949 symphony, Opus #44, by Benjamin Britten; Sonata No. 5 in F Major by Beethoven; Concerto No. 1 in E Major, RV 269, by Vivaldi; and Symphony No. 1 in B-flat Major, Opus 38 by Robert Schumann all share the same title or nickname. FTP, what is the seasonal word?

Answer: **Spring**

21. Nathaniel Hawthorne in 1804, Guiseppe Garibaldi in 1807, P.T. Barnum in 1810, Stephen Foster in 1826, Calvin Coolidge in 1872, Abigail Van Buren and twin sister Ann Landers in 1918, Neil Simon, 1927, Geraldo Rivera in 1943, Ron Kovic in 1946, whose life is the basis for a movie named for the answer to this question. George M. Cohan professed to be, but really wasn't, although he wrote a famous song about this. FTP, what happy coincidence of birth do these people share along with the Declaration of Independence.

Answer: **July 4** birthdays or Born on the 4th of July, etc.

22. Their name may have derived from their habit of going unarmored into battle or from the animal-skin garb they wore. Associated with the cult of Odin, they had shape-shifting abilities, a terrifying appearance and immunity to weapons via spells or the wearing of protective animal skins. They were prone to fits of rage during which their faces turned purple and they became abnormally strong. FTP, identify these Norse Warriors who fought in a crazed state and whose name has become synonymous with someone going wildly mad.

Answer: **Berserk** or Berserker

23. Among his first patrons were Cardinal Barberini, for whom was painted the *Death of Germanicus*, Cardinal Omodei, for whom he produced, in 1630, the *Triumphs of Flora*, Cardinal de Richelieu, who commissioned a *Bacchanal*, and Vincenzo Giustiniani, for whom was executed the *Massacre of the Innocents*. Louis XIII conferred on him the title of first painter in ordinary, and in two years at Paris he produced several pictures for the royal chapels. FTP, name this founder of French classical painting, creator of *The Triumph of Pan*.

Answer: **Nicholas Poussin**

1. Answer these questions related to the myth of King Midas, FTPE.

a. As the son of Gordius (he of the Gordian knot), Midas was king of what country, located in present day Turkey?

Answer: **Phrygia**

b. According to Bulfinch, Midas received his famous golden touch from this Greek god who rewarded Midas for having saved his old school master and foster father, Silenus.

Answer: **Bacchus** (accept Dionysus)

c. In another story, Midas had his ears turned into those of a donkey by this Greek god because Midas had said Pan's musical performance was superior to his lyre playing.

Answer: **Apollo**

2. (OU) F10PE, identify the each of these theoretical particles which have not yet been discovered.

A. This hypothetical elementary particle would only travel at speeds exceeding that of light.

Answer: **Tachyon**

B. These theorized particles are thought to lack electric charge, to have very small masses, and to have little interaction with the strong and weak forces, making them nearly undetectable. They are absolutely necessary for string theory, as they resolve the strong-CP problem, and may explain the presence of dark matter.

Answer: **Axion**

C. These two super-massive bosons, analogous to the W and Z bosons, are proposed by GUT to correspond to the new types of forces included in that theory.

Answer: **X and Y Bosons**

3. Currently playing on Broadway, Fabrice Rozié's play *Transatlantic Liaison* deals with the romantic affairs of three literary figures of the 20th century. First, for 10 pts., name the female protagonist of *Transatlantic Liaison*, whose novel *The Mandarins* was based on the same affair that the play examines.

Answer: **Simone de Beauvoir**

(10) The centerpiece of the play is Simone de Beauvoir's affair with this American author, probably most famous for his works *The Man with the Golden Arm* and *A Walk on the Wild Side*.

Answer: **Nelson Algren**

(10) de Beauvoir also had a long-term relationship with this author of *Nausea* and *The Transcendence of the Ego*.

Answer: **Jean-Paul Sartre**

4. FTPE, answer these related questions from Chinese history.

a. Lasting from 618-907, this Chinese dynasty with its capital at Chang'an was a period of great imperial expansion.

Answer: **T'ang**

b. The reign of T'ang Emperor Hsuan Tsung was disrupted in 755 by this rebellion, named for the powerful viceroy who commanded the northwest border area. He was assassinated in 757, but the rebellion dragged on until 763 and resulted in Chinese authority divesting into the hands of regional military commanders.

Answer: **An Lu-shan** rebellion

c. Often associated with Taoism, this leading poet of the T'ang dynasty is best known for his *yue fu* poems, which are intense and often fantastic. One of his most famous poems is *Drinking Alone under the Moon*.

Answer: **Li Po or Li Bo or Li Bai**

5. Given an actor or actress, tell me the name of the character they play on HBO's *The Sopranos*. 5 pt each, 30 for all 4.

a. Dominic Chianese

Answer: **Corrado "Junior" Soprano**

b. Aida Turturro

Answer: **Janice Soprano**

c. John Ventimiglia

Answer: **Artie Bucco**

d. Tony Sirico

Answer: **Paulie Walnuts**

6. Given a famous aria, identify the opera, FTPE or 5 if you need the composer.

a. 10: "La donna e mobile"

5: Verdi

Answer: **Rigoletto**

b. 10: "Vissi d'arte"

5: Puccini

Answer: **Tosca**

c. 10: "Gli angeli d'inferno"

5: Mozart

Answer: **The Magic Flute [Die Zauberflöte]**

7. FTPE, name these types of geometries.

a. Until the 1800s, it was widely believed that this type of geometry was the only consistent mathematical geometry. It is named for the Greek mathematician who wrote Elements.

Answer: **Euclidean** geometry

b. This non-Euclidean geometry was used by Einstein in his theory of special relativity. It differs from a Euclidean geometry in that, given a line L and a point P, there are two distinct lines crossing through P that do not intersect L. It is also known as "saddle geometry" or "Lobachevskian geometry".

Answer: **Hyperbolic** geometry

c. This non-Euclidean geometry differs from Euclidean geometry in that, given a Line L and a point P, there are no lines crossing through P that do not intersect L. In this geometry, the sums of the angles in a triangle are always greater than 180 degrees. It is a special case of spherical geometry and is sometimes called Riemannian geometry.

Answer: **Elliptic** geometry

8. Given a brief description of a WWI battle, name it.

a. This battle began on May 31st 1916 and is considered the biggest naval battle of the war.

Answer: **The Battle Of Jutland**

b. Opened on August 6th 1915, it was one of three attacks planned in order to shift focus away from planned Ally invasions of Suvla Bay. ANZAC forces had to overcome large embattlements made from huge tree logs.

Answer: **The Battle of Lone Pine**

c. Comprising the main Allied attack on the Western Front in 1916, this battle is famous chiefly for the loss of 58,000 British troops (one third of them killed) on July 1, the first day of the battle, which to this day remains a one-day record.

Answer: **Battle of the Somme**

9. In 2002 *Book Magazine*, now defunct, compiled a ranking of the top 100 characters in literature since 1900. I'll name three of those characters, all female, all from American literature. Name the work FTP, or for 5 if you need the author:

a. 10: Holly Golightly

5: Truman Capote

Answer: **Breakfast at Tiffany's**

b. 10: Frankie Addams

5: Carson McCullers

Answer: **The Member of the Wedding**

c. 10: Janie Crawford

5: Zora Neale Hurston

Answer: **Their Eyes Were Watching God**

10. Answer these questions about the colligative property of solutions, FTPE.

a. This law states that the vapor pressure of a solution, P, equals the mole fraction of the solvent, multiplied by the vapor pressure of the pure solvent, P°.

Answer: **Raoult's law**

b. This is the pressure produced by a solution in a space that is enclosed by a differentially permeable membrane. It can be calculated multiplying molarity times gas constant times absolute temperature.

Answer: **Osmotic**

c. This is the name for the number of moles of solute actually in a solution in water, per mole of solid solute added. It is named the first winner of the Nobel Prize in chemistry.

Answer: **Van't Hoff** factor

11. Three of the world's 20 largest lakes are located in Canada. Name them from a description, FTPE.

a. Largest lake in the Northwest Territories and the fourth largest in North America, it is situated on the Arctic Circle and the only community along the it is Deline.

Answer: **Great Bear**

b. Second largest lake in the Northwest Territories and the deepest lake in North America at 614 meters, Dawson Landing and Yellowknife are located on its shore.

Answer: **Great Slave**

c. Located due south of Great Slave lake, the northwest corner of Saskatchewan and the northeast corner of Alberta, the largest active sand dunes in the world north of 58°, are adjacent to its southern shore.

Answer: **Lake Athabasca**

12. Identify these medieval historians, FTPE.

a. This Anglo-Saxon theologian and historian wrote *Ecclesiastical History of the English Nation* (731) which introduced the method of dating events from the birth of Christ.

Answer: **The Venerable Bede**

b. He wrote the *Life of Charlemagne*, based on his 23 years of service with Charlemagne.

Answer: **Einhard**

c. His *Chronicles of England, Scotland, and Ireland* (1577) was used extensively by Shakespeare as well as other Elizabethan dramatists as a source of historical information.

Answer: **Raphael or Ralph Holinshed**

13. FTPE, name these characters, creatures, or things from Tolkien's Middle Earth mythology:

a. A script system developed by F'ānor and used to write many Middle Earth languages, including Quenya ("KWEN-yah") and Sindarin.

Answer: **Tengwar**

b. This leader of the Valaraukar ("VAL-ar-OW-kar") killed both F'ānor and F'ānor's nephew Fingon. He also led the siege of Gondolin.

Answer: **Gothmog**

c. Give the more common Sindarin name for the Valaraukar, the last of which was killed by Gandalf in the mines of Moria.

Answer: **Balrog**

14. (OU) We fear them. We fear them a lot. FTPE, identify the following spiders, which may pose a risk to your health.

A. Often found in bunches of bananas, this spider is considered extremely dangerous, although it does not appear to inject venom in every bite. It is rated by the *Guinness Book of World Records* as the most venomous spider in the world.

Answer: **Brazilian Wandering Spider**

B. The fastest known death from a spider bite occurred in only 15 minutes when a young boy was bitten in Australia. Unlike the Brazilian Wandering Spider, they rarely make dry bites and, in fact, will often bite aggressively and several times if given the opportunity. They do not climb well, but are very quick on the ground.

Answer: **Australasian Funnel-web Spider** or **Sydney Funnel-web Spider**

C. 5% of all bites from these result in fatalities, and more people die from their bites than from those of any other spiders. They have a wide distribution and are noted for their large abdomen with distinctive colored markings.

Answer: **Black Widow Spider**

15. Given a Democratic candidate for president, name his vice-presidential running mate FTPE.

a. 1984 - Walter Mondale

Answer: **Geraldine Ferraro**

b. 1988 - Michael Dukakis

Answer: **Lloyd Bentsen**

c. 2000 - Al Gore

Answer: **Joseph Lieberman**

16. Which of the Big Three of 17th century French theater penned the following plays, F5E.

a. *The Doctor in Spite of Himself*

Answer: **Moliere**

b. *Le Cid*

Answer: **Pierre Corneille**

c. *Andromache*

Answer: **Jean Racine**

d. *Phedre*

Answer: **Jean Racine**

e. *Tartuffe*

Answer: **Moliere**

f. *Horace*

Answer: **Pierre Corneille**

17. Identify these Pre-Socratic philosophers, FTPE.

a. He assumed as the first principle an undefined, unlimited substance (to apeiron) itself without qualities, out of which the primary opposites, hot and cold, moist and dry, became differentiated.

Answer: **Anaximander**

b. Born in Elea around 511 BCE, he argued that the one unchanging existence is alone true and capable of being conceived, and multitude and change is an appearance without reality. This doctrine was defended by his younger countryman Zeno.

Answer: **Parmenides**

c. The first explicitly materialistic system was formed by Leucippus in the fifth century BCE and this man, his pupil, who was born about 460 BCE, and is referred to as the doctrine of atoms.

Answer: **Democritus**

18. FTPE, answer these questions about theoretical computer science.

a. This type of computational model has both deterministic and non-deterministic versions. An acceptor machine in this category is defined by a set of states, an initial state, a set of final states, a set of input symbols, and a state-transition function, and is capable of recognizing members of a regular language.

Answer: **Finite State Machine OR Finite State Automaton**

b. This type of machine is capable of recognizing members of a recursively enumerable language. A version of Church's conjecture states that any computable function can be computed by one of these.

Answer: **Turing Machine or universal machine**

c. This type of formal language can be recognized by push-down automata.

Answer: **Context-Free Language**

19. Forget the French New Wave & Ingmar Bergman; FTPE answer the following about important German film directors:

a. His international breakthrough came in 1974 with *Ali-Fear Eats the Soul*. His biggest success, which brought him the popular acceptance he sought, came in 1978 with *The Marriage of Maria Braun*.

Answer: **Rainer Werner Fassbinder**

b. He became internationally known in 1977 with *The American Friend*, starring Dennis Hopper and Bruno Ganz. Ganz was again featured in his highly-acclaimed *Wings of Desire*.

Answer: **Wim Wenders**

c. Famous for dealing with marginalized figures and for his choice of exotic settings, his films include *Aguirre: The Wrath of God*, *The Mystic of Kaspar Hauser* and the 2005 documentary *Grizzly Man*.

Answer: **Werner Herzog**

20. Identify these famous pieces of legislation from American history, FTPE.

a. This 1878 act was passed in response to the Fourth Coinage Act, or the Crime of '73, demonetizing silver. A Representative from Missouri and a Senator from Iowa co-authored this bill that would re-allow the coinage of silver.

Answer: **Bland-Allison Act**

b. While not authorizing the free and unlimited coinage of, this 1890 act, which superseded the Bland-Allison Act increased the amount of silver the government was required to purchase every month.

Answer: **Sherman Silver Purchase Act** (do not take just Sherman Act)

c. The first of two identically-named banking acts, this 1932 act liberalized the standards by which banks could borrow from the Federal Reserve.

Answer: **Glass-Steagall Act of 1932**

21. The website sociologyonline.co.uk identifies four "founding fathers" of sociology. Identify 3 of them from a description, FTPE.

a. His studies pioneered the concept of social structure. In 1881 he received his doctorate for his thesis "The Nature of Matter According to Kant's Physical Monadology". His works include *On Social Differentiation* (1890) and *The Philosophy of Money* (1900)

Answer: **Georg Simmel**

b. Also German, one of his more important essays is his *Politics as a Vocation*, in which he argues that the Western state has become so powerful and influential because it possesses a monopoly on the legitimate use of physical force. He wrote extensively on the sociology of religion, including his analysis of *The Religion of China: Confucianism and Taoism*, *The Religion of India: The Sociology of Hinduism and Buddhism*, and *Ancient Judaism*.

Answer: **Max Weber**

c. This Frenchman founded the first European university department of sociology in 1895, and one of the first journals devoted to social science, *L'Année Sociologique* in 1896. He argued that the modern condition of anomie, from which all forms of deviant behavior derive, is caused by the rapid change in society due to increasing division of labor which produces a state of confusion with regard to norms and increasing impersonality in social life.

Answer: **Emile Durkheim**

22. Herbs and spices have long been coveted items, especially to flavor drinks. Identify these, FTPE.

a. Scientifically known as *Monarda didyma*, it is a North American aromatic herb also known as Scarlet Monarda, Oswego Tea, and Crimson Beebalm. It is the chief flavoring agent used in Earl Grey Tea.

Answer: **Bergamot**

b. Berries from these coniferous plants in a genus of the cypress tree family *Cupressaceae* are used in the making of gin.

Answer: **Juniper**

c. This flowering plant in the family *Apiaceae* was the most dominant ingredient in absinthe and is the basis for the flavoring of licorice.

Answer: **Anise or Aniseed**