

1. Part of its eastern border lies within the Petrified Forest National park and contains within it the Black Forest, one of the four petrified forests of the park. It was named in 1858 by a government explorer, Lieutenant Joseph C. Ives, to describe this areas brilliantly colored shales, marls, and sandstones. This region often glows at night, as the light from the moon reflects off of the dust particles to give it multi-colored hue. FTP, name this Arizona Desert.

Ans: **Painted Desert**

2. Archbishop Sin is urging him to step down, as a minor gambling scandle is threatening to erupt into a major civil conflict. He is accused of receiving over 400 million pesos from various gambling lords running a numbers game known as "jeutang". Although the evidence is overwhelming, this president vehemently denies any involvement in the scheme, denouncing it as more smear tactics sent to already besmirch his scandal-ridden presidency in the Phillipines. FTP, name this once actor and now president of the Phillipines who shares his last name with another actor formerly of CHiPs.

Ans: Joseph **Estrada**

3. Alvah Bessie, Herbert Biberman, Lester Cole, Edward Dmytryk, John Howard Lawson, Albert Maltz, Samuel Ornitz, Adrian Scott, Ring Lardner, Jr., and Dalton Trumbo. All were members of a group that was to include Bertold Brecht, who fled the country after being questioned about his loyalties. FTP, identify this group of motion-picture producers, directors, and screenwriters, all of whom were suspected of being communists and were subsequently blacklisted.

Answer: The **Hollywood Ten**

4. Written for publication in periodicals between 1881 and 1906, it asserts that Habeas Corpus is "a writ by which a man may be taken out of jail when confined for the wrong crime," and that a coward is someone "who in a perilous emergency thinks with his legs." FTP, identify this work, some of which was published under the title *The Cynic's Word Book*, written by Ambrose Bierce.

Answer: *The Devil's Dictionary*

5. Born in 1926 in Alton, Illinois, this musician got his start as a replacement player in Billy Eckstine's big band, where he learned from such greats as Charlie Parker as Dizzy Gillespie. He often claimed that he revolutionized jazz five times with albums like Porgy and Bess, Sketches of Spain, and Birth of the Cool. For 10 points, name this jazz trumpeter who also made the albums Bitches Brew and Miles Ahead.

Answer: Miles Dewey **Davis III**

6. Although he was voted into the Basketball Hall of Fame, this star did not put up legendary numbers during his seven years in the NBA: only 16.5 points and 8.0 rebounds per game. Praised by his contemporaries as perhaps the most talented forward ever to play the game, this 6-8 star was known as one of the first players capable of swooping, soaring flights to the hoop, followed by acrobatic, throw-down dunks. While a freshman at Iowa, he was linked to a point fixing scandal and he had to play his first professional season with the Pittsburgh Rens of the American Basketball League. FTP, name this former Minnesota Piper nicknamed "The Hawk."

Answer: Connie **Hawkins**

7. First excavated by Claudius Rich in 1820, this city was capital to Sennacherib when he executed the campaign chronicled in 2 Kings 18:13. Located on the east bank of the Tigris, this city is perhaps best known for the great library of tablets assembled under the rule of Ashurbanipal. FTP, name this city, also known as the site where the fullest extant text of the Gilgamesh epic was found inscribed on 12 partial clay tablets.

Answer: **Nineveh**

8. First recognized by a French pediatrician in 1896, this genetic disorder affects the connective tissue of the body. Deaths from this disease are usually caused by enlargement of the aortic root. For 10 points, name this syndrome characterized by unusual height and arm span, spider-like fingers, and excessive flexibility.

Answer: **Marfan Syndrome** (or **Marfan's Syndrome**)

9. Her \$150,000 investment in an Internet company called getmapping.com, which is creating a detailed aerial map of Britain, is about to pay off big-time, as the company is planning an IPO, which could drive her investment's value to over \$1.5 million. Of course, since she's already the world's richest woman, it really won't matter too much. For 10 points, name this woman, owner of the Balmoral and Sandringham Estates.

Answer: Queen **Elizabeth II**

10. Machines called area detectors, the convolution theorem, and Patterson calculation are used in this technique although the best known tool is Bragg's law. FTP, Identify this method of determining molecular structure, most famously performed on DNA by Rosalind Franklin.

Answer: **X-Ray** (**Diffraction** OR **Imaging** OR **Crystallography**)

11. Born in 1928, he joined a youth militia at age 14. His subsequent military career lasted through the Yom Kippur War. Since then, he has turned to politics, serving continuously in the Knesset since 1977, including as defense minister during Israel's 1982 invasion of Lebanon. For ten points, what present leader of the Israeli Likud coalition recently paid Jerusalem's Temple Mount a visit, indirectly sparking violence that has cost at least 80 lives?

Answer: Ariel **Sharon**

12. A German spy operating in Great Britain during World War II comes across a secret involving the D-Day invasion that would almost guarantee a Nazi victory at Normandy. For ten points, name this 1978 novel by Ken Follett that tells the tale of Nazi agent Henry Faber, known by his code name "Die Nadel" (pron. Dee Nah-dull), as he attempts to get his information safely back to Germany before the allied invasion.

Answer **Eye of the Needle**:

13. Described by the English physician William Heberden, this two-word term from the latin "to choke" and "chest" results from an inadequate supply of oxygen to the heart. FTP, name this condition characterized by chest pain or a suffocating pressure behind the sternum that is often relieved by nitroglycerine.

Answer: **Angina pectoris** (prompt on angina)

14. Oh, my god, he is so dreamy. His favorite movie is Billy Madison, favorite singer is Kylie Minogue, and his idols are Muhammad Ali, Michael Jordan, Mark Spitz and Alex Popov. He was the fastest 14 year old in history, and he had trouble deciding whether to wear a full body suit at the Olympics because he's sponsored by Speedo but the suit is made by Addidas. Oh, yeah, and his shoe size and age are the same. FTP, name this dreamy, but sublimely bland swimmer who once bragged it was harder to make the Australian national team than it was to win a medal at the commonwealth games, whose "Thorpedo" Guy will take care of anytime.

Answer: Ian **Thorpe**

15. Typically, it is multiplied by one over n squared minus one over m squared, and more properly it carries with it the subscript infinity, assuming that the nucleus of an atom is much more massive than an electron, true even for hydrogen. Valued at 1.0973×10^7 , FTP name this constant used to determine the wavelength of spectral emission lines, named after a Swedish physicist and denoted with a capital R.

Answer: **Rydberg** Constant

16. Born in 1892 in Rockland Maine, her work frequently contains imagery of coasts and countrysides. A 1912 poem published in *The Lyric Year* drew the attention of a benefactor who paid her way through Vassar. That poem, "Renascence," became the focus of her first collection of works. FTP, identify this poet, who wrote in *A Few Figs from Thistles*, "My candle burns at both ends."

Answer: Edna St. Vincent **Millay**

17. In 1965 Ramsey Lewis won a Grammy for Record of the Year with an instrumental song that used this title. In the summer of 2000 Warner Brothers used the slogan "What would you do to get in?" to market a film with this title. One critic said. "The trashy, catty . plot is just a front for an experiment in pushing the boundaries of PG-13 nakedness." FTP, name this cookie cutter teen mystery of which Mr. Showbiz said "Like, oh my God, 2 minutes into this movie, I sooo wanted out."

Answer: The **In Crowd**

18. Dave Grohl of the Foo Fighters was quoted in Entertainment Weekly as saying "I ate about 600 of them in a day and had an extreme feeling of beauty. They [really do] work!". David Letterman uses them to stuff his Thanksgiving turkey, they appear all over the set in the 1994 season of "Baywatch", and the band Supernova named a song after them on their album "Ages 3 and Up". Their commercials have been spoofed by Conan O'Brian, "Weird Al" Yankovic, the MST3K crew, and Siskel and Ebert, and helped the Foo Fighters win the 1996 Video of the Year Award for "Big Me". FTP name this originally Dutch manufactured candy that is "fresh and full of life".

Answer: **MENTOS**

19. It is the Hebrew name of Esther, literally meaning myrtle. From this it became the name of the United States premier organization for Jewish women, however, the real significance of this word, spelled, in hebrew, chet, dalet, and sin, is that today it is the name of the wife of vice presidential candidate Joseph Lieberman. FTP, provide this name that is way more Jewish than any previous name of a potential "second lady".

Answer: **Hadassah**

20. It's author was an attorney, so it's hardly a howdy doo that the play centers around the subject of criminal justice, as he recognized that there is beauty in the bellow of the blast. Specifically, a ban on flirting, punishable by death, is imposed, threatening the death of a prince disguised as a second trombone, a tailor lately elevated to the station of lord high executioner, and through a law requiring wives in japan to be burried alive with their beheaded husbands, possibly even a little maid unwary, come from a lady's seminary. FTP name WS Gilbert and AS Sullivan's finest work, subtitled, the town of titti-pu.

The **Mikado**: or the town of titti-pu

21. Studio line from Lauriel brought him to the masses in the 1980's, but back when he was making his art, before his death in 1944, he found his inspiration in theosophy, trying to find transcendant perfection in the composition of lines, colors, and geometric shapes on a canvas, something one can easily recreate with netscape frames. FTP, name this Dutch artist, best known for composition in red, yellow, and blue.

Answer: Piet **Mondrian**

22. The gods could not defeat the buffalo-demon Mahisha. So they turned to Shiva who advised all the devas to release their shaktis (spiritual prowess) locked within their bodies. Thus the female energy of all the gods was unified in her. They named her "the invincible", gave her a tiger for a mount, and each god placed a weapon in one of her innumerable arms. Stunningly beautiful, she told mahisha she would only wed one who could defeat her in battle, and her foot was the only weapon which could defeat him. FTP, name this most beautiful, and unattainable, of the hindu goddesses.

Answer: **Durga**

Minnesota Bonuses

1. 30-20-10 Name the structure from clues

(30). Its original cost was \$6,559,000 and was the third largest suspension bridge in the world. Its style was reminiscent of the architectural ideals of the twenties and thirties, focusing on a streamlined, elegant design.

(20). It earned its infamous place in history on November 7, 1940

(10). It was on this date that this bridge earned its name "Galloping Girdie" as oscillations from the wind tore it to pieces, resulting in the death of a cocker spaniel.

Ans: **Tacoma Narrows Bridge**

2. Cancer seems to be striking down more and more of this country's leaders. For the stated number of points, identify the politician that has been affected by cancer based on clues.

(5). This Vietnam Vet and Republican whom was running for presidency earlier this election year recently underwent surgery to remove malignant skin cancer.

Ans: John **McCain**

(10). This Minnesota 12 term liberal democrat and Congressman passed away earlier this week from lung cancer.

Ans: Bruce **Vento**

(15). This nine-term Virginia Republican Congressman fell victim to cancer in September at the age of 72.

Ans: Herbert **Bateman**

3. For ten points each, name these astronomical objects.

(10) These bright nebulous regions of gas and dust are found embedded in dark dust clouds, in conjunction with T Tauri stars. We see these objects because young T Tauri stars eject gas in supersonic jets, which heat and compress the surrounding material resulting in strong infrared emissions and sometimes reflected light from nearby stars.

Answer: **Herbig-Haro** or **H-H objects**

(10) These stars do not collapse into black holes because of degenerate electron pressure.

Answer: **white dwarf**

(10) This NASA mission was recently postponed -- a disappointment to scholars interested in its destination, because the atmosphere will probably be frozen solid before our next chance to get a space probe there. For 10 points, name the spacecraft that will not be exploring the outer reaches of our solar system.

Answer: the **Pluto-Kuiper Express**.

4. Name the familiar figure from Norse myth, given the following information.

[The Encyclopedia Britannica provided these descriptions.]

(10) His horse Sleipnir had eight legs, teeth inscribed with runes, and the ability to gallop through the air and over the sea.

Answer: **Odin**

(10) The giant Farbauti was his father; however, he was numbered among the Aesir.

Answer: **Loki**

(10) The world serpent Jormungand was his chief enemy; they are fated to slay each other in the Ragnarok.

Answer: **Thor**

5. With naming rights proving so lucrative for sports teams, many airlines have ponied up the money to have their names associated with the new stadium built. In fact only three of the top 10 U.S. airlines as measured by passenger miles flown currently do not have their names attached to a stadium. For ten points each, name these airlines.

Answer: **Southwest, Northwest, Alaska**

6. The director and actor Paul Bartel passed away this year at the age of 61. Name these films he directed for the stated number of points.

(5) Promotional materials for this 1982 film said "Meet the Blands! They're square...They're in LOVE...AND they kill people."

Answer: **Eating Raoul**

(10) This 1975 sci-fi action flick features a cross-country car race of the future where pedestrians are run down for points.

Answer: **Death Race 2000**

(15) This 1985 comedy western starred Tab Hunter and Devine.

Answer: **Lust in the Dust**

7. For 10 points each, name these political figures from Selma, Alabama.

a) He was the last Confederate brigadier to sit in the US Senate, he commanded in the Atlanta campaign but was wounded at Bentonville. It was a bridge named for him that John Lewis & Hosea Williams crossed in 1965 at the beginning of the march to Montgomery.

Answer: Edmund **Pettus**

b) The mayor of Selma at the time was this segregationist, who was still in the mayor's office until 2000. Over the years, he'd mellowed in his stance; he even had the support of John Lewis.

Answer: Joe **Smitherman**

c) However, this African-American won the election in 2000, attacking Smitherman with charges of voter abuse and citing the decay Selma has undergone under his mayorship.

Answer: James **Perkins**

8. Identify the following events that proved the Ottoman Empire was declining in a big way—with fewer points if you need the year:

(10) This treaty established an independent Bulgarian principality and forced the Ottomans to recognize the independence of Serbia, Montenegro, and Romania. Although some of its terms were softened by the Treaty of Berlin four months later, the Ottomans still lost most of the Balkans.

(5) 1878

Ans: Treaty of **San Stefano**

(20) Catherine the Great sent a fleet from the Baltic into the heart of the Mediterranean, trying to foment Greek rebels and destroy the Ottoman navy. The coordination with the rebels didn't work out, but the Russians really trashed the Ottoman navy in this battle.

(10) 1770

Ans: the Battle of **Çesme** (Cheshme)

9. How the West was really won and/or kidnapped and raped: for ten points each, name the 19th century invention that made Manifest Destiny easier from the inventor.

(10) John Deere

Ans: **Steel Plow**

(10) G.F. Swift

Ans: **Refrigerator Car** (as in railroad car)

(10) Joseph Glidden

Ans: **barbed wire** (not the first, but the best and most famous)

10_30-20-10-5, name the author.

His best friend, Fletcher Robinson, was an author who died of typhoid in 1907. But suspicion has arisen that he poisoned Robinson, or coerced Robinson's wife to poison him, with laudanum, after he supposedly stole an idea from a manuscript Robinson never published entitled *An Adventure on Dartmoor*.

His stories started appearing in the Strand Magazine in around 1891; full novels include *The Doings of Raffles Haw* and *The Valley of Fear*.

He was a practicing physician, having graduated from the University of Edinburgh. A professor there, noted for his use of deductive reasoning, served partly as the inspiration of his most famous character.

Answer: Arthur Conan **Doyle**

11. If you watched the Closing Ceremonies of the 2000 Olympic Games, you have my apologies. Perhaps it can pay off for you, however. Identify the known-in-America bands or artists from Australia who performed at the closing ceremonies when given the title of the song they performed for 10 points each.

1, "What You Need"

Answer: **INXS**

2. "Beds are Burning"

Answer: **Midnight Oil**

3. "Dancing Queen"

Answer: Kylie **Minogue**

*12. Given a measurement, tell the physics constant which it represents for TSTNOP.

5pts- 299,792,458 meters per second- **c or the speed of light**

10pts- 1.380658 times ten to the negative twenty-third power joules per Kelvin – **Boltzmann constant**

15pts- 1.6749286 times ten to the negative twenty-seventh kilograms – **mass of neutron**

*13. For ten points apiece, name these subatomic particles from the given descriptions.

They are defined as relatively lightweight elementary particles that are not composed of quarks and include the electron, muon, tau, and neutrino.

Answer: **Lepton**

They are classified as somewhat heavy particles composed of quarks and include the proton, neutron, and pion.

Answer: **Hadron**

These are referred to as "force carriers" between fundamental particles and are responsible for the formation of composite particles such as atoms. They include the photon, gluon, the W & Z and the graviton.

Answer: **Boson**

14. Identify the following personality disorders from their DSM-IV descriptions:

A grandiose sense of self-importance; requires excessive admiration; lacks empathy.

Narcissistic Personality Disorder

A pattern of unstable and intense interpersonal relationships characterized by alternating between extremes of idealization and devaluation; frantic efforts to avoid real or imagined abandonment.

Borderline Personality Disorder

Failure to conform to social norms with respect to lawful behaviors as indicated by repeatedly performing acts that are grounds for arrest; lack of remorse; reckless disregard for the safety of others.

Antisocial Personality Disorder

15. Identify the Beat Poet from works FTPE:

Seascape with Sun and Eagle, Constantly Risking Absurdity

Lawrence **Ferlinghetti**

Preface to a Twenty Volume Suicide Note; Notes for a Speech

Amiri **Baraka** or LeRoi **Jones**

Mountains and Rivers (known as 'long poem'), Axe Handles

Gary **Snyder**

16, Name this algorithm, 30-20-10:

(30) First published in 1962 in The Computer Journal, this algorithm is notable for the fact that, in its original form, it is simultaneously the worst of its class because of its $O(n^2)$ [pronounced "big oh n squared", the 2 should be superscript] worst-case behavior and among the best of its class with $O(n \log n)$ average-case run-time.

(20) Published by noted advocate of the use of logical proofs in the design of computer programs C.A.R. Hoare, the algorithm uses a stack to track pairs of partitions as it operates on a table of (key, value) pairs.

(10) This sorting algorithm is something of a canonical example of the utility of recursive programming.

Answer: **Quicksort**

17. 2000 is the 50th birthday of everyone's favorite - Silly Putty. Answer these questions for ten points each:

1. What company that also makes another famous children's product manufactures Silly Putty?

Answer: **Binney and Smith**

2. In 1989 at Alfred University a 100 pound ball of Silly Putty was dropped from the top of the engineering building. What did it do - bounce, break, splatter or disintegrate?

Answer: **Bounced eight feet**

3. One recipe for making homemade Silly Putty is to mix 1 cup liquid laundry starch with 2 cups of what common product found around most grade school art rooms?

Answer: **Elmer's Glue** (Prompt on glue)

18. Name the Indian province or provinces in the Himalayas for the stated number of points.

5 points for one, 15 for both: These two provinces are the site of an ongoing conflict between Muslims and Hindus, and between India, Pakistan, and China, over their nationality.

Answer: **Jammu and Kashmir**

For 15 points: Located in the Himalayas between Nepal and Bhutan on the Tibetan border, this state was a monarchy protectorate of India until it became part of India by referendum in 1975. Mt. Kanchenjunga, the third highest mountain in the world, sits on its border with Nepal.

Answer: **Sikkim**

19. Put the following geologic time periods in order from earliest to latest for five points each: Carboniferous, Tertiary, Cambrian, Triassic, Devonian, Cretaceous.

Answer: **Cambrian, Devonian, Carboniferous, Triassic, Cretaceous, Tertiary**

* 20. For five points each and ten bonus points for all, name the American composers of the following Modern Operas and Operettas:

Vanessa --- Samuel **Barber**

Candide --- Leonard **Bernstein**

Akhmaten --- Philip **Glass**

I Was Looking at the Ceiling and Then I Saw the Sky ---John **Adams**

* 21. . Name these persons of mythological lore for ten points apiece.

He was the son of Aphrodite and Hermes, hence his name. He was very handsome in form. So handsome in fact that the nymph Salmacis had to have him. He tried to run from her because she had startled him, but she tackled him into her fountain. As they struggled, Salmacis called to heaven to let this man never be separated from her. So they merged into one.

Answer: **Hermaphroditus**

He castrated his father with a sickle. From the blood that fell to the earth sprang the giants and the Furies. The genitals were cast into the ocean and it is said later produced Aphrodite. He married his sister Rhea, and from that union came forth such deities as Hestia, Demeter, and Hades. Name this Titan, who was dumb enough to swallow a rock.

Answer: **Chronus**

He was the son of Apollo and Calliope. From the union of these two great musicians he gained the greatest musical skill ever seen on Earth, even the stones and trees were softened by his notes. He wed Eurydice, but she died shortly after. He then descended to the underworld and nearly freed her. Identify him.

Answer: **Orpheus**

* 22. Identify the poem from clues 30-20-10.

1. Written during the English Alliterative Revival around 1375, it uses a unique verse form carried over from Old English in which the stanzas have varying numbers of long alliterative lines, and each one concludes with a two-syllable word or phrase--the bob--and a quatrain (four lines, alternating seven and six syllables)-- the wheel.

2. The plot of the poem centers on the most noble knight of Arthur's round table who is engaged in a beheading contest designed by Morgan Le Faye to test his chivalric values. Both rounds of the contest occur during New Year's feasts in consecutive years.

3. At the end of the poem, we learn that the kindly lord Bercilak (bear-de-lak) is, in fact, the same person as the knight whose beheading at the beginning of the poem instigated the whole game of beheading in the first place.

Answer: **Sir Gawain (gowan) and the Green Knight**