

1/29/05

2002 Singles Coming 'Atcha Beeyotch
Questions by Anthony de Jesus, with an assist from Leo Wolpert
Seeding Round A (60 tossups)

1) The first time Stella is seen in real life, she is wearing white while smoking by a lamp post. Stella is first seen in a photograph that happens to be among the discards in the title object where Pinye Salzman the marriage broker keeps cards of his clients. The rabbinical student Leo Finkle searches for a bride in—for ten points—what title tale of a 1958 short story volume by Bernard Malamud?

ANSWER: "The Magic Barrel

2) Its existence was proven with experiments that involved identifying either phenylacetic acid or hippuric acid in the urine of animals that had eaten some straight-chain fatty acids. The formation of a thioester, oxidation, conversion to a secondary alcohol, dehydrogenation into a keto group, and carbon-chain cleave are the steps in—for 10 points—what metabolic pathway discovered by Franz Knoop, also known as the "two-carbon chop."

ANSWER: beta oxidation

3) John C. Calhoun's last Senate speech was spoken in opposition to this. Spared a threatened veto when Zachary Taylor died, it was proposed by Henry Clay, but the coalition to pass it was built up by Stephen Douglas. It organized the Utah and New Mexico Territories and abolished slavery in the District of Columbia while including a new fugitive slave law. For 10 points—name this legislative package that admitted California to the Union.

ANSWER: Compromise of 1850

4) It is to him that Bragi relates the stories of the *Bragirædur*. He steals Odherir, a magic cauldron, with Tyr in order to supply Thor with enough drink in a tale from the *Lay of Hymir* and his cauldron also plays a role in the *Lokasenna*. His nine daughters with Ran represent the different types of ocean waves. For 10 points—name this ocean god who was not one of, but was accepted as an equal of, the Aesir.

ANSWER: Aegir

5) Although not an eponymous effect, it was described by John Tyndall in 1861 and named by Svante Arrhenius in 1861. Although it is now thought of in negative terms, it explains why the Earth is habitable since, without it, the seas would be frozen and the planet would have an average temperature of zero degrees Fahrenheit. For 10 points—name this effect in which the atmosphere traps solar radiation.

ANSWER: greenhouse effect

6) The first of these is known as "The Bear," while the second is known as "The Hen." Of these seven works, the fourth has a second movement which are variations on the tune "La gentille et jeune Lisette." It is known as "The Queen," and is believed to have been a favorite of Marie Antoinette. For 10 points—name these works written in 1785 and 1786, numbered 82 through 87 in the symphonies of Franz Joseph Haydn, which are not the "London" symphonies.

ANSWER: "Paris" symphonies

7) A replacement for Pamela Greene, her real name is Deidre Roper, although she is also called Dee Dee. She joined the group in 1988, meaning that she wasn't around for the album *Hot, Cool and Vicious*, but in 1990, she got a chance to produce one track on the album *Blacks' Magic*. For 10 points—name this collaborator of Cheryl James and Sandy Denton, the DJ for Salt-n-Pepa.

ANSWER: Spinderella

8) In 1979, 257 people died on a sight-seeing expedition when an aircraft crashed into this mountain. Scaled in 1908 by the expedition of Sir Ernest Henry Shackleton, it was named after one of the ships of the man who discovered it, the Scottish explorer James Ross. For 10 points—name this active volcano on the eastern coast of Ross Island in Antarctica, which shares its name with a Greek god of darkness.

ANSWER: Mount Erebus [Note: the tourists were a bunch of sheepwhackers from New Zealand.]

9) Composed of a fundamental plus an infinite number of even harmonics, its partials decrease in energy in proportion to the inverse of the harmonic number. It equals one over pi, sine of kx, minus one over two pi, sine of 2kx, minus 1 over three pi, sine of 3 kx, and so on when broken down in Fourier analysis. For 10 points-- name this wave that increases linearly from zero to the maximum amplitude, then rapidly returns to zero, named for its resemblance to part of a tool.

ANSWER: sawtooth wave

10) Of his seven satires, the fifth and sixth describe his feelings about being kept away from his family while forced to accept a remote government post in the service of Duke Alfonso of Ferrara, while the seventh is addressed to the poet Pietro Bembo. His best-known work is a tribute to the Este family, ostensibly in the guise of continuing an earlier unfinished work. For 10 points--name this poet whose *Orlando Furioso* continues an epic by Matteo Boiardo.

ANSWER: Ludovico Ariosto

11) He established the Varangian Guard from Swedish mercenaries sent to him by Vladimir of Kiev to aid in his fight against the Fatamids. His nickname came from defeating Samuilo at the Battle of Kleidon and caused Samuilo to die of shock after he blinded 99 out of every 100 prisoners and made the seeing ones lead the way back. For 10 points--name this Byzantine emperor of the Macedonian dynasty from 976 to 1025 known for his war against a Slavic people.

ANSWER: Basil II Bulgaroctonos or Basil the Bulgar-Slayer [Note: Samuilo is sometimes translated as Samuel.]

12) From 1919 until his death in 1941, he worked for the Hartford Fire Insurance Company, pursuing scholarship as a hobby in his spare time. He studied chemical engineering at MIT, but became interested in his best-known field after a class at Yale. His study of the Hopi led him to formulate the theory for which he is known. For 10 points--name this man whose idea of linguistic relativity was influenced by his friend and teacher Edward Sapir.

ANSWER: Benjamin Whorf

13) He held that the dignity of man lies in his freedom to occupy any place within the universal hierarchy. He also held that Kabbalistic magic was stronger than natural or Hermetic magic in his *Conclusiones* and *Apologia*, which also argue that the Kabbala demonstrates the truth of Christian teaching. For 10 points--name this author of the mystical account of the creation of the universe, the *Heptaplus*, an Italian humanist philosopher of the Renaissance.

ANSWER: Conte Giovanni Pico Della Mirandola

14) Sodium formate is almost exclusively formed in the crossed variety, which occurs when one of the reactants is formaldehyde. An sp³-hybridized intermediate is formed by the attack of a hydroxide ion. The production of an alcohol and of the salt of a carboxylic acid occurs only if there are no alpha-hydrogens, or else an aldol condensation will occur. For 10 points--name this self-oxidation-and-reduction of an aldehyde, which is named after an Italian.

ANSWER: Cannizzaro reaction

15) Jack falls in with a group, led by a Jew named Mendoza. At night, he has a dream, in which Roebuck Ramsden is the Commandante, Ann is Dona Ana, Menodoza is the Devil, and Jack is one of his ancestors. The dream ends with Dona Ana following Jack's ancestor toward heaven. For 10 points--name this often omitted third act of George Bernard Shaw's *Man and Superman*.

ANSWER: "Don Juan in Hell" (prompt on *Man and Superman*)

16) According to one story related by Vasari, he was so in love with perspective, that he called it his "sweet mistress," and refused to leave his study of it when his wife called him to bed. An apprentice of Ghiberti, his works include a series of stained glass windows, for the cathedral in Florence. For 10 points--name this Renaissance painter of *The Battle of San Romano* and *The Hunt in the Forest*, who was nicknamed for his love of birds.

ANSWER: Paolo Uccello or Paolo di Dono

17) He was exiled after suggesting that the poor give up their right to elect tribunes in exchange for grain during a famine in 491 BC. Given his name from a town that he had captured from the Volscians, he then joined the Volscians and led them to the gates of Rome, but his mother and wife talked him into sparing Rome, so the Volscians killed him. For 10 points—name this general whose story was retold by Shakespeare.

ANSWER: Gaius Marcius Coriolanus

18) In this novel, Jules kills a policeman in the Detroit race riots. The protagonist becomes a prostitute at age 16. Made catatonic from a beating by her stepfather, she later takes a writing class from the author herself in this 1970 National Book Award winner. For 10 points—name this novel with a one-word, all-lowercase title, which follows *A Garden of Earthly Delights* and *Expensive People* in a trilogy by Joyce Carol Oates.

ANSWER: them

19) They are the lowest of the “twice-born,” those who were allowed to wear the “sacred” thread after an adulthood initiation at puberty. Possibly, they were originally guardians of tribal herds, and they alone were permitted to hunt and keep cattle. Later, they became associated with merchants. After the brahmins and kshatriyas comes—for 10 points—what third-ranked major Hindu caste?

ANSWER: vaisyas

20) Things named after this scientist include the effect stating how the eye's sensitivity is different in daytime vision, which is mostly through the cones, and night-time vision, which is through the rods, as well as the nucleus of the human egg, which is sometimes called his germinal vesicle. For 10 points—name this scientist also associated with neurons and part of the tissue in the ventricles of the heart, which are known, respectively as his cells and his fiber.

ANSWER: Johannes (or Jan) Evangelista Purkinje

21) This poem is the source for the title of *After Many a Summer Dies the Swan*, since Aldous Huxley wrote about a millionaire who travels to England to find a nobleman who has found a way to extend the human life span only to find an apelike creature. The speaker of this myth-based poem says, "Me only cruel immortality / Consumes; I wither slowly in thine arms, / Here at the quiet limit of the world." For 10 points—name this poem by Alfred Tennyson concerning a lover of Eos.

ANSWER: "Tithonus"

22) After emigrating to the United States in 1951, he worked as an assistant pastor in a New York City parish, then as vice-rector of Catholic University of Ponce in Puerto Rico. His most recent works are *Toward a History of Needs* and *Shadow Work*. For 10 points—name this Vienna-born critic of institutionalization, experts, and commodification, the author of *Medical Nemesids* and *Deschooling Society*, whose name very closely resembles a Tolstoy title character.

ANSWER: Ivan Illich

23) He put down the uprising of Merodach-Baladan in Babylonia before and eventually destroyed Babylon itself in 689 BC. More notably, he extorted 300 talents of silver and 30 talents of gold from Hezekiah. After being assassinated by two of his sons, he was succeeded by his loyal son, Esar-Haddon. For 10 points—name this son of Sargon, the king of Assyria from 705 to 681 BC, who is known for rebuilding and enlarging the city of Nineveh.

ANSWER: Sennacherib or Senherib

24) Its features include the Temple of Sinawava, Angels Landing, The Great White Throne, Weeping Rock, Checkerboard Mesa, and Hurricane Cliffs. Its northwest contains the Kolob Canyons, where the Kolob Arch is the largest freestanding arch in the world. Named for a canyon cut by the Virgin River, it was named by the Mormons who settled there in the 1860s. For 10 points—name this national park in southwestern Utah rather than Israel.

ANSWER: Zion National Park

25) He opposed the “universal and uniform Coca-Colonization” of his country, as he termed the humiliating Americanization that he perceived. Able to quit his job in the finance ministry after the success of his first novel, a partly autobiographical work about a homosexual in hiding, he also wrote the epic tetralogy *The Sea of*

Fertility. For 10 points—name this author of *Confessions of a Mask* and *The Temple of the Golden Pavilion*.
ANSWER: Mishima Yukio (or Yukio Mishima) or Hiraoka Kimitake

26) Developed by the Greek Sosigenes, it was adopted in 46 BC and replaced in AD 1582. In Russia, Peter the Great instituted it in 1697, but it was replaced on January 31, 1918 by the new Soviet government. The former Ugo Buoncompagni reformed this item, in which its namesake honored himself by changing the name of Quintilis. For 10 points—name this chronological scheme replaced by Pope Gregory XIII.
ANSWER: Julian Calendar

27) Joseph Stella collaborated on this work, whose original is now lost. It was defended with the words "The only works of Art America has given are her plumbing and her bridges." Its intent was to test the openness of the American Society of Independent Artists, while exemplifying its creator's belief that art was a matter of what the head, not the hand, creates. For 10 points—name this ready made urinal submitted under the name R. Mutt by Marcel Duchamp.
ANSWER: Fountain

28) Airy found that this was the same, no matter what substance of whatever index of refraction was placed in a telescope. In 1726, Bradley announced its existence, after noting that stars had periodic motions with a period of one sidereal year, whose character depended upon the celestial latitude of the star. For 10 points—name this apparent change in position of an object, due to the speed of motion of the observer, which can be confused with parallax.
ANSWER: aberration of light (accept aberration constant before "Bradley" is mentioned.)

29) At the time it was first written, it was popular for the plot line involving Lady Dedlock, the wife of Sir Leicester Dedlock of Chesney Wold. The clerk Guppy first notices a resemblance, a result of the Lady's liaison with Captain Hawdon, which produced Esther Summerson. Esther marries Dr. Woodcourt and is given a house named after the original title location, where she had been the ward of John Jarndyce in—for 10 points—what mystery novel by Charles Dickens?
ANSWER: Bleak House

30) Their names mean "the mighty," "the wide-wandering," and "the queen." The offspring of Ceto and the sea god Phorcys, they live on the farthest shore of the ocean, near the Hesperides. They have claws, golden wings, and large teeth. For 10 points—name these sisters of the Graiae, whose names were Euryale, Stethno, and Medusa.
ANSWER: Gorgons

31) A false rumor is that she and her brother debuted on TV as the "Creatures of the Night." Her first major appearance was as part of a storyline in which she became the girlfriend of Andrew Martin. Her sham wedding was interrupted with video tape of her drugged and married at a wedding chapel to Hunter, whom she joined forces with. After a stint as owner of ECW, she is now the general manager of Smackdown. For 10 points—name this WWE personality and daughter of Vince McMahon.
ANSWER: Stephanie McMahon

32) He held that "War is the father of all and the king of all." Less certain is whether or not he believed that the universe undergoes an infinite cycle of conflagration and returning to the norm, a doctrine that the stoics attributed to him under the name *ekpyrosis*. The founder of the Eleatic school, this Ephesian wrote *On Nature*. For 10 points—what pre-Socratic philosopher held that the principal substance is fire?
ANSWER: Heraclitus

33) He died in 1970 still thinking he was prime minister, although after his stroke two years earlier, he had been replaced by Marcello Caetano. He led the National Union, the only political party under his New State, which he created with the constitution of 1933. He was dictator for about as long as his ally, Francisco Franco. For 10 points—name this dictator of Portugal.
ANSWER: António de Oliveira Salazar

34) Two answers required. There were eight letters. The first, to a friend, was written from the monastery of Saint-Gildas in Brittany. Finding its way to the other person, it induced a response. In the correspondence, there are exhortations to prayer and piety and guidance as to appropriate discipline and regulation in the convent of the Paraclete. For 10 points--name this tragic pair of French lovers, one of whom was castrated.

ANSWER: Pierre (Peter) Abelard and Heloise

35) The metal parts of ordinary deep-well pumps, such as those used for petroleum, corroded quickly and broke down under the force of pumping. Made economically feasible in 1903 by a third tube that sends compressed air, it uses superheated, pressurized water to melt subterranean deposits and shoots the resulting mixture up with water pressure. For 10 points—name this process, named for its German inventor, used to extract sulfur from the Earth.

ANSWER: Frasch Process

36) “Beauty is momentary in the mind— / The fitful tracing of a portal; / But in the flesh it is immortal.” So begins the fourth and final section of this poem, which uses musical imagery to describe part of the story of Susannah and the Elders. The title character is the clownish carpenter from *A Midsummer Night's Dream*, who compares the music made by his spirit to the music made by his fingers on the keys in—for 10 points—what poem by Wallace Stevens?

ANSWER: “Peter Quince at the Clavier”

37) Andrew Jackson in New Orleans after the 1814 battle there, federal troops sent to Idaho in 1899 to end labor unrest, and the territorial government of Hawaii after Pearl Harbor all used it. In *ex parte Milligan*, the Supreme Court ruled it unconstitutional when Lincoln proclaimed it in Indiana during the Civil War. For 10 points—name this emergency measure in which civilian government is displaced by military rule.

ANSWER: martial law

38) In the Greek Orthodox calendar, his feast day is normally April 23, but, if that day is during Lent, his feast is celebrated the day after Easter. Although he is historically placed as a martyr in the late second or early third century AD, most of his life is legendary, including his conversion of a pagan town in Libya, which he protected. For 10 points—name this patron saint of the Order of the Garter and of England, a legendary dragon-slayer.

ANSWER: St. George

39) It sought to promote actions which unite and do not divide, and which help consolidate the people's democratic dictatorship. Comparing the struggle of Darwinian evolution and the Copernican solar system to that of Marxism, it sought the constructive criticism of intellectuals. For 10 points—name this idea that was supposed to be accompanied by the contention of a similar number of schools of thought, whose failure led to the Great Leap Forward.

ANSWER: let a hundred flowers blossom (accept Hundred Flowers campaign/period)

40) It was first identified when a scientist flew to Brazil to learn tissue culture techniques from Herta Meyer. Sliced mouse tumors, which had been cultured in chick blood, grew a characteristic halo of fibers when certain cells were added and the culture incubated. This protein is a non-conventional hormone, which does not cause a metabolic response, but is necessary for development and survival of a specific cell type. For 10 points—name this substance first identified by Rita Levi-Montalcini.

ANSWER: nerve growth factor or NGF

41) After joining the futurist group Centrifuge in 1911, he published early volumes of poetry such as *Twin in the Clouds* and *Over the Barriers*, but his poetry was later criticized for failing to follow Socialist Realism. He is best known for his tale of Yuri, a man in love with Lara. For 10 points—what Russian author's only novel was *Dr. Zhivago*?

ANSWER: Boris Leonidovich Pasternak

42) It became a part of France when its count became King Louis X. A former province, its land is now parts of the departments of Yonne, Aisne, Seine-et-Marne, and Meuse, and all of Marne, Haute-Marne, Aube, and Ardennes. Located in northeastern France, this region is best known for an export produced mainly around

Épernay and Reims. For 10 points—name this region that gave its name to a sparkling white wine.
ANSWER: Champagne

43) It likely once stood in a hillside niche, on the prow of a stone ship that served as its base; it now stands on the landing at the grand staircase of the Louvre. The head and arms are missing on this statue, whose forward thrust body is countered by the backward thrust of its wings. For 10 points—name this Greek statue which may commemorate a military victory.
ANSWER: Nike (or Victory) of Samothrace (prompt on “Winged Victory”)

44) On January 12, 1971, Richard Nixon signed a foreign military sales bill, which included a provision repealing this. Passed unanimously in the House and opposed by only two senators, it had turned out that poor visibility and nervousness may have led sailors to imagine things on the *C. Turner Joy*, while the *Maddox* was actually in North Vietnamese waters. Attacks on these ships were the pretext of—for 10 points—what 1964 resolution granting LBJ broad war powers.
ANSWER: Gulf of Tonkin Resolution

45) Former heads Roderick Hills and Arthur Levitt disagree with the ideas of current chairman, Harvey Pitt, who wants a raise and elevation to full Cabinet status, or at least equality with the Federal Reserve. Pitt has been criticized because he has had meetings with a former client, the accounting firm KPMG, which is under investigation by this agency, as are AOL Time Warner and Adelphia. For 10 points—name this government agency whose responsibilities include investigating corporate fraud.
ANSWER: SEC or Securities and Exchange Commission

46) Although not Christopher Wren, he designed Montague House and Bethlehem Hospital as surveyor of London after the Great Fire. He used bellows to blow air through the trachea into the lung, proving that the thorax was not required for respiration. An assistant to Robert Boyle, his work includes theories of combustion and elasticity. For 10 points—name this discoverer of plant cells and namesake of a law that describes springs.
ANSWER: Robert Hooke

47) His one-time goal was a scientific philosophy of history, based on physics. He brought German methods of scholarship to the U.S. and taught the first history seminar at Harvard in 1870. His works include a nine-volume history of the U.S. during the administrations of Jefferson and Madison and the medieval work *Mont-Saint-Michel and Chartres*. For 10 points—name this author of a third-person autobiography which describes his “Education.”
ANSWER: Henry Adams

48) In 1990, they clashed with the government at Oka, Québec in protest of a golf course being built on sacred land. Joseph Brant translated the Book of Common Prayer into the language of this people, who killed the martyr St. Isaac Jogues. For 10 points—name this Native American tribe, the easternmost of the Five Nations of the Iroquois, who share their name with the main tributary of the Hudson River.
ANSWER: Mohawk or Kanienkehaka

49) This city lends its name to the civilization which built fortified palaces in such cities as Tiryns and Orchomenos. Torched around 1190 BCE, it was reinhabited, but abandoned by 1125. Famed for its Lion Gate, it was excavated by Heinrich Schliemann, who was inspired to seek both it and Troy by the works of Homer. For 10 points—name this city mythically ruled by Agamemnon.
ANSWER: Mycenae

50) He is a form of the opponent of Sraosha. A form of that Zoroastrian daeva of wrath, he is mentioned in the Talmud as the king of the Shedin, a tribe of demons. He kills the first seven men who marry Sarah, daughter of Raguel, in a book of the Dueterocanon. For 10 points—name this demon defeated by Raphael and Tobias in the Book of Tobit.
ANSWER: Asmodeus or Aesma

51) In 1983, he released the critically-panned experimental drama *The Man Who Had Three Arms*. That was his last Broadway offering before 2001, when he came out with a play about an architect forced to confess an

extramarital affair to his family in *The Goat, or Who Is Sylvia?* Also known for dramatic adaptations of Vladimir Nabokov's *Lolita* and Carson McCullers' *The Ballad of the Sad Cafe*—for ten points—name this playwright of *Seascape*, and *A Delicate Balance*.

ANSWER: Edward Albee

52) He spent much of his later life consulting with the French mystic Barbara Krudener after his disillusionment with the failure of his non-dogmatic religious agreement which he intended to bring about peace. His original co-signers were Francis I and Frederick William III for his Holy Alliance after the Paris peace conference. For 10 points—name this ruler who signed the Treaty of Tilsit, but later ousted Napoleon from France while Czar of Russia.

ANSWER: Alexander I

53) He is the namesake of some amateur philosophers led by William Harris and Henry Brookmeyer, who believed that St. Louis would be the center of culture in America after reading works by this man such as *The Philosophy of History* and *The Philosophy of Right*. For 10 points—name this man concerned with the sum of all being, which he called the Absolute, which he described in *The Phenomenology of the Mind*.

ANSWER: Georg Wilhelm Friedrich Hegel

54) Really stupid clues for it include that its apparent magnitude of -0.86 makes it the 14th brightest star as seen from earth and that it is only 65 light-years away from earth. A really fake clue is that its name means "The Follower," as it follows the Pleiades in the night sky. Visible from both earthly hemispheres, it has a temperature of only about 3,900 degrees Fahrenheit, and, when viewed through binoculars has a reddish tint. For 10 points—name this red giant, the brightest star in Taurus.

ANSWER: Aldebaran (Accept Alpha Tauri before Taurus is mentioned, prompt at the end of the question)

55) Theodore Schwartz described one on the island of Manus. Members tend to believe that a cataclysm will soon destroy the selfish people who interfere with tribal ancestors. Western technology and economics impacts religion as prophetic leaders promise European goods in—for 10 points—what movement that believes that tribal ancestors send gifts to landing strips?

ANSWER: cargo cults

56) Eight wine bottles were buried in this arrangement as part of a solstice feast in 1875 in an attempt to worship the sun as the body of "Baldur incarnate" and the journalist Guido von List thought it was hidden in the rune equivalent to the letter G as part of his neo-paganism. For 10 points—name this Nordic symbol, adopted to mean heroic paganism, German manliness, and Aryan racial supremacy by the Nazis.

ANSWER: swastika

57) In 1998, scientists announced that they had used lasers to compress and heat this substance so that it behaved like a metal. Most easily isolated by a catalytic exchange process or by fractional distillation of water, it was discovered in 1932 by Harold Urey and was the first isotope to be separated in a pure form. For 10 points—name this isotope that has a neutron more than regular hydrogen.

ANSWER: deuterium

58) Some musicologists speculate that some of his compositions may have been the work of sister, Nannerl, and according to his letters, he considered her the really talented one. The same nickname would be given for his Serenade No. 7, written for the wedding of the daughter of Salzburg Burgomaster, and for his Symphony No. 35, both known as "Haffner." For 10 points—name this composer, whose other works include the "Linz," "Prague," and "Jupiter" symphonies.

ANSWER: Wolfgang Amadeus Mozart

59) This people stepped into the power void left when floods and earthquakes caused the end of the kingdom of Chimor. They conquered the region under a king whose name means "he who transforms the world." Pachakuti (or Pachacutec) ruled the Tahuantinsuyu, an empire whose name means "the world of four quarters." For 10 points—name this people whose capital was at Cuzco in the Andes.

ANSWER: Incas

60) Two men, both desiring to be rechristened with this name, come to the Canon Chasuble. One uses the name in visits to London, claiming to be his non-existent brother, the other adopts it when visiting Hertfordshire. Gwendolyn Fairfax and Cecily Cardew are both fond of this name adopted by Jack Worthing and Algernon Moncrief. For 10 points—what name proves punnishly important in a play by Oscar Wilde?
ANSWER: Ernest (accept “The Importance of Being Earnest”)

=====End Seeding Round A=====

Extra tossup

61) Penicillin works by inhibiting the cross-links in this material. In some species, it may be found in a periplasmic gel beneath an outer membrane containing lipopolysaccharides. This protein-sugar molecule is uniquely found in varying quantities in the cell walls of eubacteria. For 10 points—name this substance detected in a Gram stain.
ANSWER: peptidoglycan