1. She wrote works such as The Physical Education of Girls in 1852 and Pioneer Work in Opening the Medical Profession to Women in 1895. She was born in was born in Bristol England in 1821 and educated in Geneva Medical School, where she received her doctor of medicine degree in 1849 . For ten points name this woman who was the first female doctor in the United States.
ANSWER----(Elizabeth Blackwell)
2. It now refers to the drainage basin of the Zaire River or the country that is surrounded by Gabon, Zaire and the Central African Republic who capital is located at Brazzaville. It used to be the name of the Zaire River and the name of Belgium's African colony. For ten points give this former name of Zaire.
ANSWER----(Congo)
3. He was the great-nephew of Matthew Arnold, but unlike his great uncle this man's fame comes from writing novels. He wrote about the drug mescaline in Heaven and Hell, but he is best known for his book set in the year 632 AF . For ten points name this author of Brave New World. ANSWER--(Aldous Huxley)
4. It was organized by the United States and Latin American in 1947 as a collective defense system under the Rio Treaty. The charter was signed by twenty-one republics in 1948 and the headquarters were placed at the Pan American Union building in Washington D.C. . For ten points name this organization which is abbreviated OAS.
ANSWER----(Organization of American States Note: if buzz early with OAS, prompt for more information)
5. "The Italian navigator has reached the New World," telephoned Arthur Compton to colleague James Conant in 1942. Conant responded "And how did he find the natives?", to which Compton said, "Very friendly," and thus the atomic age began. For ten points name the so called Italian navigator who produced the first sustained nuclear reaction.
ANSWER----(Enrico Fermi)
6. Conductor Hans Knappertsbusch once said of him "I knew him very well. We played cards every week for forty years and he was a pig." Hans von Bulow on the other hand used to call him "Richard the Second" because his symphonic poems were revolutionary, much like Wagner's music. For ten points name this composer of Till Eulenspiegel's Merry Pranks and Thus Spake Zarathustra.
ANSWER----(Richard Strauss)
7. To woo his wife he wrote her more than 2,000 love letters, converted to Catholicism and promised her a celibate marriage. Vivien Browning eventually agreed, but fifteen years later he threatened to commit suicide until she agreed to file divorce papers. For ten points name this modern English author who wrote The Heart of the Matter and The Power and the Glory. ANSWER----(Graham Greene)
8. Won by such personalities as Maya Angelou, Colin Powell and Bill Cosby, this award is
given annually by the NAACP for the highest achievement by a black American. For ten points name this award.
ANSWER----(Spingam Medal)
9. Also known as groundmass, this is the continuous, fine-grained material in which large grains of sediment, crystals or fossils are embedded. For ten points name this term which also applies to math as the name for a rectangular array of numbers from a vector space.
ANSWER----(Matrix)
10. When Albert Camus was killed in an automobile accident his last manuscript managed to survive the crash. His family was so worried about the quality of the unfinished manuscript that they withheld its release to the public until 1995. Upon its release it was hailed by the public and critics as one of Camus' greatest works. For ten points give the title of this last story by Albert Camus.
ANSWER----(The First Man)
11. Graduating from West Point in 1846, he resigned his army commission in 1857 to do engineering work for the railroads. Later he returned to the army as a Major General in Ohio. He served as governor of New Jersey from 1878 to 1881, but is better known for running against Lincoln in the election of 1864. For ten points name this Civil War general removed from his command of the Union armies by Lincoln in 1862 for being too cautious.
ANSWER----(George B. McClellan)
12. His earliest known work is a drawing made at the age of 13 and is a self-portrait. He was so attracted to Italian art, as a young journeyman he left his native Nuremberg and visited Venice making copies of Mantegna and other early Renaissance masters. For ten points name this famous German artist of works such as Knight, Death and Devil and The Four Horseman of the Apocalypse.
ANSWER----(Albrecht Durer)
13. Using casaba melons and chocolate syrup as props, the most famous scene from this movie was incredibly successful despite the fact that neither nudity or the penetration of the knife could be shown. In fact, it was so successful, to this day Janet Leigh allegedly refuses to take a shower unless the curtain is open. For ten points name this Alfred Hitchcock movie which featured the character Norman Bates.
ANSWER----(Psycho)
14. After he proved that the myth of Hero and Leander could be true by swimming across the Hellespont, he wrote the poem The Bride of Abydos about it. Fascinated with Greece in other ways, he died fighting in their revolution and also wrote The Siege of Corinth and The Corsair. For ten points name this English poet most famous for his poem Don Juan (JOO-on).
ANSWER----(George Lord Byron)
15. Their bodies are divided into three parts, the head, foot and visceral hump. They have all major organ systems and a mantle which may secrete a shell. For ten points name these organisms which consist of pelecypods, cephalopods and gastropods.
ANSWER----(Mollusks)
16. This god shot two types of arrows, one with a lead point that would cause you to hate whoever the god wanted, the other with a gold point which would cause you to fall in love with
whoever the god wanted. FTP, give either the Greek or Roman name for this god of love, often portrayed as a little boy with wings.
ANSWER---(Cupid or Eros)
17. This symbolist artist greatly admired Delacroix and created his own world of personal fantasy similar in nature to some of the English Pre-Raphaelites. He did not achieve much fame until the last six years of his life, when held a professorship at the Ecole des Beaux Arts. One of his favorite themes, the head of John the Baptist is shown in probably his most famous work The Apparition, 1876. For ten points name this French symbolist.
ANSWER----(Gustave Moreau [More-oh])
18. Preceded by air attack led by the units of Hugo Sperrle, Hans-Juergen Stumpf and Albert Kesselring, this operation was called for in Directive No. 16 which stated "Since England...shows no signs of being ready to come to a compromise, I have decided to prepare a landing operation against England." For ten points name this operation in which Germany planned to invade Great Britain during 1940.
ANSWER----Operation _Sea Lion_
19. Even though he strongly believed that you should always obey your superior officer, he was the only member of the court to vote against the courtmartial of Billy Mitchell. Nicknamed the 'Boy Genius' by his West Point class, he was the hero of three wars. For ten points name this general who again violated his principles when he fought with President Truman over the running of the Korean War.
ANSWER----Douglas _MacArthur_
20. A publisher's summary of this book reads, "In late 1834, a young man, recently of Harvard, signed on as a common seaman aboard the brig Pilgrim for the perilous voyage around Cape Horn to California. During the next two years...he recorded his experiences in a daily journal." For ten points name this book written by Richard Henry Dana, Jr. ANSWER---__Two Years Before the Mast_
21. Reconstruction of such monuments as the Church of Our Lady, the Zwinger Palace and the Semper Opera House that were damaged during WWII is preceeding in the hope that they will be finished in time for the 800th anniversary of this city in 2006. These buildings were destroyed in a raid by 1083 U.S. and British bombers in what was the worst firestorm of the war. For ten points name this German city which is capital of the region of Saxony.
ANSWER---__Dresden_
22. Using scrap from an old battleship, this scientist constructed a target of 40 foot thick steel and then sent his particle beam crashing into it and discovered the muon neutrino for which he shared the 1988 Nobel Prize in Physics. For ten points name this former Fermi Laboratory physicist who wrote the work The God Particle.
ANSWER----Leon _Lederman_
23. Formerly a common household cleaning agent, it is now used in grain fumigants, fire extinguishers and as a solvent. Ingestion of only a few milliliters causes death, thus its use at dry cleaners has been phased out. For ten points name this organic compound with the formula $\mathrm{C}-\mathrm{Cl}-$ four.
ANSWER---__Carbon Tetrachloride_ or _Carbon Tet_
24. There are 22 pairs in normal human beings and diseases such as cystic fibrosis, sickle cell anemia, PKU and Huntington's Chorea are all located on these. For then points name this type of chromosome which consists of all the non-sex chromosomes.
ANSWER----(Autosomes or Body chromosomes)
25. In 1857 the candidates for the Prix de Rome were told to compose a cantata on the subject of Clovis et Clotilde. After this winner was announced, he used his four year grant to a compose the opera Don Procopio and a Te Deum. For ten points name this Frenchmen best known for his opera Carmen.
ANSWER----(Georges Bizet)
26. It has affected the opening of a Coca-Cola plant in Thailand and the declaration of Indian's independence. Derived from the sacred Hindu scripture, Atharva-Veda, it is presided over by the god Ganesha and the goddess Saraswati. For ten points name this study of the future, based upon the position of the stars at a person's birth.
ANSWER----(Astrology)
27. The canvas is filled with figures, some of them portraits, which contrast and integrate at the same time, the human and heavenly worlds, showing the austerity of the lower part and the brilliant radiance of the Holy Ghost in the upper part. The figure of Christ at the top of the painting is beseeched by John the Baptist to receive the man being buried. For ten points name this painting whose legendary theme has St. Augustine and St. Stephen lowering a body into a grave, one of El Greco's greatest masterpieces.
ANSWER----(The Burial of Count Orgaz [1586])

BONI-ILLINOIS A

1. Answer the following questions about glaciers.
2. Five points. Coming in terminal, side, end and lateral varities, these ridges are accumulations of glacial drift which are formed by the deposition of material at the edge of a glacier.
ANSWER----_Moraine_
3. Ten points. This is the reduction in size of a glacier due to the melting and evaporation of the ice that makes it up.
ANSWER----_Ablation_
4. Fifteen points. Occurring every 7,000 to 10,000 years during the last ice age, these events saw massive sheets break off of the Laurentide glacier in Canada and form huge armadas of icebergs which floated into the Atlantic and deposited large of amounts of sediments on the Ocean floor ANSWER---__Heinrich_ events
5. Answer the following questions relating to evidence in support of the big bang theory.
$1+2$. Ten points each, name the two scientists who were awarded the Nobel Prize for Physics in 1978 for detecting the residual radiation predicted by the big bang theory.
ANSWER----Arno _Penzias_ + Robert _Wilson_
6. According to recent measurements, what is the background temperature of the universe in degrees Kelvin? Ten points if you are within one half a degree and five points if you are within ten degrees.
ANSWER----Exact answer: 2.73 degrees, 10 points: $2.23-3.23$, 5 points: _0.0 - 12.73_
Bonus: 5 points each and a 5 point bonus for all correct, given a letter/numerical designation for a piece of US military equipment, give its name.
7. M1A2.

ANSWER---_Abrams_ Main Battle Tank
2. P-51.

ANSWER----_Mustang_
3. $\mathrm{AH}-64 \mathrm{~A}$.

ANSWER----_Apache_ Attack Helicopoter
4. B-58.

ANSWER----_Hustler_
5. M109A6.

ANSWER---__Paladin_ 155 mm Self-Propelled Howitzer
4. Identify the following people from Roman history FTP each.

1. In 458 B.C. this man was called from his plow and made dictator. In 16 days he defeated the Aequi and returned to his farm, giving up all power.
ANSWER----_Cincinatus_
2. This member of the first triumvirate was given a fleet and sent into the eastern Mediterranean sea where he swept the water free of the pirates that had been plaguing the area.
ANSWER----Gnaeus _Pompeii_ Magnus
3. The death of this woman, Caesar's daughter and Pompeii's wife, broke one of the last ties that held the first triumvirate together and it soon plunged Rome into a civil war.
ANSWER----_Julia_
Answer the following questions about the novel The Old Curiosity Shop.
4. 5 points, name the author.

ANSWER----Charles _Dickens_
2. 10 points, name the villanous dwarf who drives Nell Trent and her grandfather from their home. ANSWER----Daniel _Quilp_
3. 10 points, name the lawyer who along with his sister Sally, frames young Kit Nubbles for theft, but eventually breaks under questioning.
ANSWER----Sampson _Brass_
6. Given the title of a musical work, give the composer of the work and the author whose work inspired it, for 5 pts for each name.

1. Prelude to the Afternoon of a Faun.

ANSWER----Claude _Debussy_ and Stephane _Mallarme_
2. La Traviata.

ANSWER----Giuseppe _Verdi_ and Alexandre _Dumas, fils_ (or son, or the Younger--prompt for more specific on "Dumas")
3. Pelleas and Melisande.

ANSWER----Claude _Debussy_ and Maurice _Maeterlinck_
Answer the following questions about the human heart, 5 pts each.
7. 1. What is the name of the loose fitting sac which encloses the heart? It consists of two layers the, visceral and parietal.
2. What is name of the layer of the heart which comprises the bulk of the heart and consists of interlacing cardiac muscle fibers that appear striated and are involuntary?
3. What is the name of the natural structure of the heart which is embedded in the wall of the right atrium, which initiates the heart beat and sets the pace for the heart rate?
4. During the heart beat, after the period of relaxation, the heart enters the period of active contraction which is marked by a shortening of the muscle bundles, what is this called?
ANSWER---1.(Pericardium) 2.(Myocardium) 3.(Sinoatrial node) 4.(Systole)
8. Answer the following questions about Rembrandt, 5 pts each.
8. 1. What country was he from?
2. What is his last name?
3. In what century did he live and work?
4. What famous painting by him is also known as The Militia Company of Captain Frans Banning Cocq and Lieutenant Willem?
ANSWER---1 (Deamark) $\quad$ 2.(yan_Rijn) $\quad$ 3.( $17^{\text {th }}$ Century) $\quad$ 4.(Nightwatch)
Given a quote name the author who penned the lines, 5 points each.
2. "No man is an island."
3. "Tyranny, like hell, is not easily conquered."
4. "Birds of a feather flock
together."
ANSWERS--1.(Robert Burns) 2.(John Donne) 3.(Thomas Paine) 4.(Aristotle)

Answer the following questions about the Los Angeles 1991 riots, 5 pts each.

1. The riots were the response to the acquittal of four police man accused of beating what man?
2. Name the police chief of Los Angles who was eventually forced to resign after the verdict?
3. What man, and former police commissioner of Philadelphia replaced the man in question two?
4. In April of 1993 two of the four police officers were convicted of what in regards to the beating?
ANSWER---1.(Rodney King) 2.(Daryl Gates) 3.(Willie Williams) 4.(Civil rights
violations)
1/. Identify the French composer of the following operas for five points each.
$\begin{array}{lll}\text { 1. Carmen. 2. Samson and Delilah. } & \text { 3. Pelleas and Melisande. 4. The }\end{array}$
Spanish Hour.
ANSWER---1.(Georges Bizet) 2.(Camille Saint-Saens) $\quad$ 3.(Claude Debussy)

For five points each identify the following poems by John Keats from a description.

1. This ode to a piece of ancient pottery contains the immortal line, "Beauty is truth, truth beauty." 2. Inspired by his first reading of a famous English translation of Homer, this poem expresses Keat's feelings about the beauty of Homer's works.
2. Another famous ode, this one concerns a bird with whom the dying Keats wishes to fade away.
3. From the French for The Beautiful Lady Without Pity, this poem is about a knight who becomes enthralled with a beautiful woman.
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ANSWER---1.(Ode on a Grecian Um) 2.(On First Looking_Into Chapman's Homer)
    3.(Ode to a Nightingale)
4.(La Belle Dame Sans Merci)
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For 5 pts each, name the last four major leaguer baseball players to win the Triple Crown ANSWER----(Carl Yastrzemski, Frank Robinson, Mickey Mantle and Ted Williams)

Mothers are not always the nicest people, identify the following about some cruel mothers in history, 10 pts each.

1. After this daughter of Francis Gray was beaten into marrying Guilford Dudley by her mother, she became Queen of England for nine days. After Mary Tudor regained her throne and imprisoned this daughter, Francis begged to have her husband released and was then supposedly seen romping with a young servant as her daughter was led off to the chopping block.
2. Publicly blaming her son Edward VII for her husband's death, this long reigning Queen of England also felt that he was incompetent and refused to let him do anything related with the government.
3. The mother of Freddie, Herman, Arthur and Lloyd, her fascination with Jesse James led her to make her house a haven for criminals. Her sons then began robbing stores and killing young girls for her while they traveled around the country and she was eventually killed with Freddie in an FBI shoot-out.
ANSWER---1.(Lady Jane Grey) 2.(Queen Victoria) 3.(Donnie 'Ma' Barker)

Some of the animals that used to roam the plains of Europe and America 10,000 years ago may surprise you. Identify some of these animals whose remains have been found 5 pts each.

1. The second largest land animal, it has disappeared from Europe and may well disappear from Africa due to the demand for its horn.
2. The best known species of this animal inhabited America by the millions until they were hunted nearly to extinction, but there is also a European variety sometimes known as the wisent.
3. This type of hairy elephant originated in Africa and spread into Europe and North America before going extinct somewhere between ten and four thousand years ago.
4. The only cat that hunts in groups, which are known as prides, this animal is know only found in Africa and India.
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ANSWER----1.(Rhinoceros) 2.(Bison [do not accept buffalo]) 3.(Mammoth)
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4.(Lion)

There have been several revelations in recent years about atrocities committed by the Japanese during world war two. Answer the following questions about the prisoners of Japan, 10 points each.
a. It was revealed that Unit 731 was performing chemical and biological warfare experiments in this region of northeastern China.
b. The most famous of the Japanese slave labor projects, the building of a railroad between Siam and this country killed thousands during its construction.
c. All of these incidents are in sharp contrast to this sugar-coated 1957 movie which won an Academy Award for best picture and told the story of prisoners building the bridge in part three.
ANSWER---a.(Manchuria) b.(Burma) c.(The Bridge on the River Kwai)
or Mandankwo
17. Identify the following cop or detective shows from a description, 5 points each.

1. Based on a character created by Robert Parker, this Boston based show starred Robert Urich and Avery Brooks as Hawk.
2. This show featured the detectives James Crockett and Ricardo Tubbs, who were under the command of Lt. Martin Castillo.
3. Revived in the 1960 's with the addition of Harry Morgan, this show featured Joe Friday asking for "just the facts, ma'am."
4. This show featured Jack Klugman as an LA country coroner who was always forced to reexamine a body because he had missed the clue the first time.
5. This show featured Dennis Weaver as a cowboy cop from Taos, New Mexico who was on extended duty to New York City.
ANSWER---1.(Spenser: For Hire) 2.(Miami Vice) 3.(Dragnet) 4.(Quincy, M.E.)
5.(McCloud)
6. Identify the following works by Edgar Allan Poe given a list of characters, 5 points each.
7. Roderick and Madeleine Usher.
8. Prince Prospero and his one thousand guests.
9. Montresor and Fortunato.
10. A narrator, judges and General La Salle. ANSWER----1.(The Fall of the House of Usher)
2.(The Masque of the Red Death)
3.(The Cask of Amontillado)
4.(The Pit and the Pendulum)
11. Identify the following biological terms from a description, 5 points each.
12. Cells build their proteins from 20 different kinds of these. They contain a carboxyl group and examples include aspartic acid and alanine.
13. They are a type of lipid which is characterized by a carbon skeleton consisting of four interconnecting rings. An important example is cholesterol.
14. Having two major types DNA and RNA, this general class of organic compounds enables living organisms to reproduce their complex equipment from one generation to another.
15. They are large molecules which are constructed from an alcohol with three carbons, each bearing a hydroxyl group and a compound which consists of a long carbon skeleton, usually 16 or 18 atoms in length.
ANSWER----1.(Amino Acids) 2.(Steroids) 3.(Nucleic Acids) Acids)
16. Fats (Note: do not accept lipids, if given prompt for more information, fats are a type of lipid--accept TRIGLYCERIDES)

Answer the following questions about Pluto, 5 points each.

1. Pluto was accidentally discovered in 1930 during a search for a gas giant planet that scientists believed existed because the orbital perturbations of this planet whieh could not be explained in any other way.
2. Name the scientist who discovered Pluto.
3. Name the only moon of Pluto which was discovered in 1978. 4. Pluto holds several records. Besides being the smallest planet, it is also the planet whose orbit is the farthest from being a circle, having a value of point 25 of this measure of deviation from circularity. ANSWER----1.(Uranus) 2.(Clyde Tombaugh)
3.(Charon [kay-ron])
4.(Eccentricity)
4. Answer the following questions about the career of Alexander the Great, 5 points each and a 5 pt bonus for all correct.
5. In what country was Alexander born.
6. The plan to conquer the Persian empire was first proposed by this father of Alexander, who was assassinated as he was preparing to set out.
7. Name the battle in which Alexander smashed the Persians for the last time and killed their king Darius III.
8. Name the city on the Euphrates river, now the site of present day Baghdad, where Alexander died during a party.
ANSWER---1.(Macedonia) 2.(Philip II) 3.(Gaugamela or Arbela) 4.(Babylon)

Identify the following variable stars from a description for ten points each.

1. Discovered by David Fabricius and then rediscovered by Holwarda of Franeker, this star in Cetus was the first variable to be found and was named after the Latin word for wonderful. 2. The variability of this star in the constellation Perseus was first noticed by Geminiano Montanari when he saw that it brightened and dimmed every 69 hours.
2. John Goodricke discovered the variable star Delta Cephei which gave its name to this class of variable stars which have a known relationship between their period and luminosity and are used as standard candles to calculate distances.
ANSWER----1.(Mira) 2.(Algol) 3.(Cepheid variables)

Identify the states whose borders are partially formed by the mouths of the following rivers, 5 points for each.
$1+2$. The two states for the Columbia river.
$3+4$. The two states for the Savannah river.
5. One of the two states for the Sabine river.
ANSWER--- $-1+2 .($ (Oregon + Washington) $\quad 3+4 .($ Georgia + South Carolina)

Identify the composers of the following symphonies, 5 points each.

1. The Eroica Symphony.
2. Surprise Symphony.
3. Scottish Symphony.
4. The Prague Symphony.

ANSWER---1.(Ludwig van Beethoven) 2.(Franz Joseph Haydn) 3.(Felix
Mendelssohn)
4.(Wolfgang Amadeus Mozart)

The years 1964 to 1975 saw the greatest dynasty ever to occur in sports as a southern California school won the NCAA basketball championship ten of twelve years with such players as Curtis Rowe and Bill Walton, 10 points each.

1. Name this school that lost only in 1966 and 1974.
2. Name either one of the two schools that interrupted the streak by winning the national title.
3. The most famous player to go to this school, he was on the championship teams of 67,68 and 69. Afterwards he changed his name from Lew Alcindor to his current one.

ANSWER---1. (UCLA or University of California at Los Angeles)
2.(University of Texas-El Pase or North Carolina State) 3.(Kareem Abdul-Jabbar)

