

One on One Packet by Ezequiel Berdichevsky: Memorial Day Weekend 2000

TossUps:

1. In 1972, researchers John F.R. Kerr, Andrew H. Wyllie, and Alastair Currie recognized this process and coined the term from the Greek word meaning "falling off" to distinguish it from an alternate form called necrosis which results from injury. It can be set in motion by a variety of internal or external stimuli. A signal activates genes in the suicide pathway which encode the proteins to destroy the cell's structural proteins and genetic material. FTP identify this process, also called programmed cell death, whose failure is most famously linked to forms of cancer.

Apoptosis

2. In an attempt to demonstrate the antiquity of the Jews Josephus identified them with the Hebrews of the Old Testament. Under Auserre Apopi they tried to make an alliance with Kush because of the Theban revolt under Kamose, whose successor would eventually overthrow their power. From their capital at Avaris, which housed a temple to the their chief deity, the Egyptian storm god, Seth; they introduced the compound bow and most famously the horse and chariot. FTP identify these peoples, the shepherd kings according to Manetho, who ruled Egypt as the 15th dynasty (c. 1630-1521 BC).

Hyksos

3. It features one of the more ridiculous master villain dispatches, as he literally blows up after swallowing a pill. After the defeat of the clawed henchman Tee-Hee the film ends with the laughter of Baron Samedi played by Geoffrey Holder segueing into the famous title track. It also features an escape from a gator farm, a New Orleans jazz club that fronts as the hideout for Mr. Big, and the introduction of Sheriff Pepper to the series. FTP identify this film featuring Yaphet Kotto, Jane Seymour, and Roger Moore in his first go round as James Bond with a title track by Wings.

Live and Let Die

4. His 1992 essay *The Burnt Mirror* was published simultaneously in English and Spanish, while *Burnt Water* is a collection of self-translated earlier stories. He first gained notice with the collection *The Masked Days* and his novel about post-revolutionary Mexico *Where the Air is Clear*. But his most famous works focus on the construction of El Escorial and the final day in the life of a wealthy Mexican landowner respectively. FTP identify this author of *A Change of Skin*, *Terra Nostra*, and *The Death of Artemio Cruz*.

Carlos Fuentes

5. Although his past business dealings as commissioner to the 1998 World's Fair and his association with ITB- a gambling syndicate- have caused some controversy his job seems to be firmly in place. Recommended for his current position by Commerce Secretary Bill Daley, it is his schmoozing that has convinced the AFL-CIO whom they should back in the upcoming Presidential election. FTP identify this former California congressman who now serves as Al Gore's campaign chairman.

Tony Coelho

6. Stimulated by the writings of Francis Galton, he became immersed in the problem of applying math to biological problems of heredity and eugenics and the methods he developed became essential to every serious application of statistics. From 1893 to 1912 he wrote a series of 18 papers entitled *Mathematical Contributions to the Theory of Evolution*, which contained much of his most valuable work, including the chi-square test of statistical significance. FTP identify this man whose lectures on scientific philosophy were published as *The Grammar of Science*.

Karl Pearson

7. A tall white column stands in the background on the right. In the bottom right corner a lean and haggard prophet with a scroll of parchment looks off of the canvas, he is obscured by the figures in the foreground where four angels on the left side gaze adoringly at the majestic title figure holding the nude Christ child. FTP identify this painting completed between 1634 and 1640 named for its attempt to make the Virgin look more elegant by extending a certain body part, the most famed work of Parmigianino.

The Madonna with the long neck

8. After his death his companions were changed into birds who annually come to visit his grave. One of the most celebrated heroes who came to aid Troy in her defense is this nephew of Priam. His most notable feat came when he slew Nestor's son Antilochus in battle. This feat, however, raised the ire of the old man's good friend Achilles who felled him soon afterwards. FTP identify this Ethiopian prince, the son of Tithonus who became an immortal because Zeus was so moved by the tears of his mother Eos.

Memnon

9. The most famous stories in this collection are probably the last two which detail the protagonist's attempts at catching some fish. In another he encounters a former boxer who tries to assault him, while "Cat in the Rain" details the empty life of an American woman in Europe. Other stories in this 1925 work include "Soldier's Home" and "My Old Man" all of which are interspersed with scenes of violence. FTP identify this work by Ernest Hemingway most well known for the Nick Adams tales "Indian Camp" and "Big Two Hearted River."

In Our Time

10. Although chiefly remembered for his political achievements his writings such as *The Breadwinners* and *Pike County Ballads* were well received. After serving as Lincoln's private secretary and a stint as a journalist, he became McKinley's ambassador to Britain, and played a major role in the Paris peace that ended the Spanish American War, securing the Philippines for the US. But he is best known for his dealings with two other countries. In 1899 he sent out diplomatic notes proposing equal trading rights in China, while in 1901 he signed a pact bearing his name which gave the US the exclusive right to build a canal in Panama. FTP identify this U.S. secretary of state who served from 1898 to 1905 and signed a famous treaty with Lord Pauncefoot.

John Milton Hay

11. Among the candidates for its true authorship are two Frenchmen named Jean. Whatever the identity of the book's author, he was a representative of the *devotio moderna* and the Congregation of Windsheim. Divided into four parts: I gives "exhortations useful for spiritual living," II admonishes man to be concerned with the spiritual side of life rather than the materialistic, III affirms the comfort of being centred in Christ, and part IV shows how an individual's faith has to be strengthened through the Eucharist. FTP identify this religious tome written in 1426 and most often ascribed to Thomas a Kempis.

Imitation of Christ

12. This name was first adopted after Muzio Attendolo, a prosperous farmer from Ravenna, assumed it. Thought to have been defeated after the battle of Marignano when Francis I challenged their power. With the help of Charles the V, Francesco-Maria returned to rule in 1522. Earlier Louis the XII had driven his father, Ludovico the Moor, from Power; but the most famous member of the family had to be first Francesco whose marriage to Duke Visconti's daughter and agreement with the Medici through the Peace of Lodi allowed him to take control of Milan. FTP identify this dynastic political family whose name in Italian means Force.

Sforza(s)

13. Depending on the type of material utilized a partial or complete type of this effect can be exhibited. By elimination of various chemical impurities and physical imperfections during the process of forming a type 1 superconductor one can maximize the expulsion of magnetic fields from the interior of the material- minimizing resistance to the flow of the current. FTP identify this property of superconductors discovered by a German scientist in 1933.

Meissner effect

14. This man defined the locus of sociological theory as residing not in the internal field of personality, but in the external field of the institutions developed by society. A professor at Harvard for over forty years he analyzed the academy in *The American University* while in *The Social System* he turned to analyzing the problem of social order. His most famous work developed a sociological theory based on voluntaristic principle, a concept which became known as functionalism. FTP identify this sociologist best known for his *The Structure of Social Action*.

Talcott Parsons

15. Berlioz admired this opera greatly although it suffered numerous revisions; the most notorious of which has Zurga the King dying on the funeral pyre. The action is set in Ceylon where Nourabad the high priest refuses to let the individually returning lovers, one a priestess with a mysterious gold chain, the other the King's former best friend, be reunited. FTP identify this 1863 opera about Leila and Nadir composed by Georges Bizet.

The Pearlfishers or Les Pêcheurs Perles

16. The final chapter detailing his horrific confession to the monk Tikhon was not originally published in the novel in which he appears. A nobleman by birth he is surrounded by adoring women including Lizaveta Tushina and Darya Shatova, but he marries Marya Lebyadkin and ends up joining Verkhovensky's revolutionary band; by the end of the novel he has hung himself. FTP identify this literary figure, the central character of Dostoevsky's *The Possessed*.

Nikolay Vsevolodovich *Stavrogin*

17. Recent allegations of possible collusion between the National Electoral Process Office and the president in power have cast this country into the international spotlight. Seeking to unseat the two time president his political opponent, Alejandro Toledo, has now withdrawn from the race and urged his supporters to protest the fairness of the vote count. FTP in what country headed by Alberto Fujimori is this unrest taking place.

Peru (accept really early buzz of Fujimori)

18. At its northwestern corner are the 62 islands of the Sese archipelago. Of the numerous islands in this body of water, Ukerewe, is the largest, with wooded hills rising 650 feet above it. The Katonga river enters from the West, while the Kavirondo gulf lies in the Northeast corner of it extending into Kenya. First detailed extensively by William Garstin, the Owen Falls Dam in Uganda exploits its vast hydroelectric power. FTP identify this lake sighted by Speke in 1858, the largest in Africa.

Lake Victoria

19. First isolated in 1948 by Page, it is categorized as a catecholamine. It has been noted that LSD and other hallucinogens derive some of their effects from blocking this neurotransmitter. It has also been found in the venom of toads and wasps, but it is most noted for its effect on humans where changes in its concentration in the midbrain have become associated with depression. FTP identify this substance, derived from the amino acid tryptophan, whose uptake is often regulated by drugs such as Zoloft and Prozac.

Serotonin

20. Although he was chosen with the 14th pick of the draft in 1996 he didn't see action in the NBA until 1998. Before coming to the league he had much success in Greece where he was named league MVP. This season his 6'7" frame has served him well in getting shots off against Western Conference opponents, although he still gets lost on defense he has fellow countryman Vlade Divac to help him. FTP identify this Sacramento Kings swingman whose nickname is Peja and whose jumper is butter.

Predrag Stojakovic

21. During his stay in Mexico on a Guggenheim fellowship he wrote *The Broken Tower*. After his death a volume of unpublished works, *Key West: An Island Sheaf* was found. His first published collection appeared in 1926 with an inscription from Rimbaud and included the work "For the Marriage of Faustus and Helen." FTP identify this American Poet best known for *White Buildings* and the epic *The Bridge*.

Hart Crane

22. Originally identified by the Roman historian Livy as Naraggara its current name was given to the site by the Roman historian Cornelius Nepos about 150 years after the battle. Key to the outcome of the encounter were the 6,000 Numidian cavalymen led by Prince Masinissa. After unloosing their 80 elephants and withstanding the initial charge of the legionaries, the Carthaginians did not count on the return of this cavalry force. They were surrounded and crushed earning Publius Cornelius Scipio his most famed epithet. FTP identify this 202 BC battle at which Hannibal was finally defeated ending the second punic war.

Zama

23. In works such as *Adam in Paradise* and *Quixote's Meditations* he began to argue for individual life as the fundamental reality. His best known works include *Invertebrate Spain* and a 1929 publication in which he characterized 20th century society as dominated by masses of mediocre and indistinguishable persons, who he proposed should surrender social leadership to minorities of cultivated and intellectually independent men. FTP identify this Spanish philosopher and humanist who wrote *The Revolt of the Masses*.

Jose Ortega y Gasset

24. When an elected commissioner of the city of Montgomery, Ala., read an advertisement which included allegations of police misbehavior he charged that these impugned his own integrity and reputation. A state court awarded him \$500,000 damages. But the Supreme Court overturned the jury's award, holding that within the guarantees of the constitution a public official may not recover damages for a defamatory falsehood relating to his or her official conduct unless it can be proved that a statement was made with "actual malice." FTP identify this 1964 Supreme Court Case which held that the 1st Amendment protects critics of public officials even when they make charges that are false

NY Times v. Sullivan

25. This work introduces us to the character of Mr. Datchery after its title character has disappeared, prompting some critics to speculate that they are in fact the same person. The plot hinges on an arranged betrothal to the young Rosa who is simultaneously loved by Uncle Jasper and Neville Landless. FTP identify this 1870 novel, an unfinished mystery, by Charles Dickens.

The Mystery of Edwin Drood

26. A recent theory proposed by Rev Malhotra insists that Pluto was and for that matter may still be a part of it. Although its namesake first proposed its existence in 1951, two years earlier a man named Kenneth Edgeworth had developed a similar model independently. But it wasn't until work in the early 1990's, primarily by Jewitt and Lu, that its existence was truly verified. FTP identify this disk shaped region, home to object TL 66, located at a distance of 500 to 1000 AU from the sun, the originary site of short period comets.

Kuiper belt

27. First gaining military experience fighting against the Cherokee Indians in 1759, after a daring rescue of American prisoners he was made a brigadier general, and after the war served in the state senate for eight years. As a captain under Benjamin Lincoln he was not captured when his American force surrendered at Charleston in 1780, but slipped away into the South Carolina wilderness and formed a band of guerillas who, under his leadership, often defeated larger bodies of British troops. FTP identify this military commander nicknamed the "swamp fox" by the British.

Francis *Marion*

28. In 1925, he opened his own studio and began to sculpt in a cubist manner. Under the influence of Henri Laurens, Jacques Lipchitz, and the primitive art of Africa and Oceania, he developed compact pieces such as *_The Couple_*, he also created open cage-like forms, which are exemplified by his *_Palace at 4 A.M._*. But it is his mature work typified by narrow elongated bronze figures with scarred or eroded surfaces such as *_Composition with Seven Figures and a Head_* or *The Forest_* for which he is best known. FTP identify this Swiss sculptor whose *_Monumental Head_* is located at the Hirshhorn in Washington DC.

Alberto *Giacometti*

Boni:

1. Identify the early 20th Century Painter from a list of works and his nationality FTP each:

1. This Spaniard painted *_Still Life with an Old Shoe_* and *_Dog Barking at the Moon_*
Joan *Miro*

2. This Austrian painted *Dents du Midi* and *Woman in Blue*
Oskar *Kokoschka*

3. This Frenchman painted *Houses at L'Estaque* and *Violin and Candlestick*
Georges *Braque*

2. Identify the psychologist 30-20-10:

30: Although he was originally in seminary school his interest in psychology took him to New York where after getting his PHD he became director of a center for, and lecturer about, the problems faced by abused children.

20: Late in his life he moved to California where he helped found the Center for Studies of the Person reintroducing the same notions he set out in his 1942 book *Counseling and Psychotherapy*.

10: This man was a driving force behind humanistic psychology and his 1951 book *Client Centered Therapy* outlines his notion of unconditional positive regard for the patient.
Carl *Rogers*

3. Identify the following about some current events FTP each:

1. Recently a consortium of Western Oil companies has found a vast petroleum reserve in this body of water off the coast of Kazakhstan.

Caspian Sea

2. Identify the name of this newly discovered field off the Caspian Sea.

The Kashagan field

3. This current president of Kazakhstan is now being pressured by the Russians to use their pipelines to transport this oil.

Nursultan *Nazarbayev*

4. Identify the following about a Whig conspiracy FTSNOP:

1. First for five points each identify the name of the plot to kill Charles II whose early March departure foiled it, and the year in which it took place.

Ryehouse plot and 1683

2. This illegitimate son of Charles II and Lucy Walter was sent to live in the Netherlands, but returned to get his ass kicked at Sedgemoor in 1685. You will receive ten points for naming this conspirator.

James Scott or Duke of Monmouth

3. You will receive an additional ten points for naming this conspirator, the descendant of a famed poet and writer of the revolutionary tract *Discourses Concerning Government*.

Algernon Sidney

5. Identify the following about a chemical technique FTP each:

1. Containing three steps- denaturing; annealing; and synthesizing- this technique is used to make numerous copies of a specific segment of DNA.

PCR or polymerase chain reaction

2. This American biochemist and winner of the Nobel prize in 1993 developed PCR in 1983.

Kary B. Mullis

3. This is the term given to the DNA that contains the region to be copied.

Template DNA

6. Identify the following about some affiliated philosophers FTP each:

1. The institute with which they were associated was originally founded in 1923 by Carl Grünberg; and this movement, if one can call it that, tried to blend Marxism with Hegelian philosophy in their studies called "Critical Theory."

Frankfurt school

2. Among the most prominent members of the Frankfurt school was this man who worked with Horkheimer on *Dialectic of Enlightenment* and wrote on aesthetics in his *Philosophy of Modern Music*.

Theodor Wiesengrund Adorno

3. This student of Adorno is most well known for the works *The Structural Transformation of the Public Sphere: An Inquiry into a Category of Bourgeois Society* and *The Theory of Communicative Action*.

Jürgen Habermas

7. Identify the following Eugene O'Neill plays from characters 5-5-10-10

1. Eben Cabot and Abbie Putnam

Desire Under the Elms

2. Orin and Lavinia Mannon

Mourning Becomes Elektra

3. Andrew and Robert Mayo

Beyond the Horizon

4. Dr. Darrell and Sam Evans

Strange Interlude

8. Identify the following about the Congress of Racial Equality (CORE):

1. CORE was founded by this man in 1942.

James T. Farmer

2. In 1961 CORE sent groups of people to challenge the segregation laws of interstate transportation in the South. What was the name for these groups.

freedom riders

3. This man who would later change his name to Kwame Toure took part in CORE as a freedom rider, before founding the Black Power movement.

Stokely Carmichael

9. Identify the following scientific effects or rules named after scientists (FTP each):

1. It states that in "addition reactions" to unsymmetrical alkenes, the electron-rich component of the reagent adds to the carbon atom with fewer hydrogen atoms bonded to it, while the electron-deficient component adds to the carbon atom with more hydrogen atoms.

Markovnikov's Rule

2. This is the movement, under certain conditions, of electric current between two pieces of superconducting material separated by a thin layer of insulating material.

Josephson effect

3. This rule states that if more than one orbital is available for occupation by the electrons currently being accommodated, then those electrons occupy separate orbitals and do so with parallel spins.

Hund's rule

10. Identify the following movies featuring Ava Gardner from a brief description (FTP each):

1. Ava plays the title goddess in this 1948 comedy where Robert Hatch's character Eddie kisses a statue which comes to life and falls in love with him.

One Touch of Venus

2. She plays Julie Laverne, the star of the husband-wife team that headlines on the *Cotton Blossom* but are forced to leave by the Hawks family after they find out she is mixed in this 1951 film.

Showboat

3. In this 1954 Joseph Mankiewicz film Gardner plays dancer Mary Vargas opposite Bogart's Harry Dawes, a movie director hopelessly in love with her.

The Barefoot Contessa

11. Identify the following about a literary concept (FTP each):

1. This concept served as an important critical basis for Romanticism where works such as Shelley's *Mont Blanc* are given this designation. It generally indicates grandeur of thought, emotion, and spirit.

The Sublime or Sublimity

2.The concept of the Sublime in literature is most often attributed as originating in a Greek treatise written around the first century AD by this author.

Longinus or Dionysus Longinus or Pseudo-Longinus

3.This Irish-born statesman and writer wrote on the sublime and beautiful in his work on aesthetics in addition to his more famous works such as *On Conciliation with the Colonies* and *Reflections on the French Revolution in France*.

Edmund Burke

12. Identify the following about a geographical location:

1.Discovered in 1520 by Ferdinand Magellan after he sailed through his eponymous straits this archipelago at the southernmost extremity of South America is known by a Spanish name. Name it for 5.

Tierra del Fuego

2. The main island of Tierra del Fuego has its base on this channel. Name it for 10 points.

Beagle Channel

3.These two mountains are the largest on the archipelago name either one for 5.

Monte Sarmiento or Monte Darwin

4. Finally, the eventual exploration of the region by Chile and Argentina has displaced the indigenous peoples of the area which are composed of three major tribes, name any of these FTP.

the *Ona*, the *Yahgan*, or the *Alacaluf* Indians

13. Answer these questions about a certain epoch in Chinese history FTP each:

1.This dynasty founded by Chao K'uang-yin, the military inspector of the Chou, ruled China from 970 until 1279.

Sung or Song

2.Eventually the Mongolian Kindom to the North invaded the Sung dynasty and its territory remained below the Yangtze river where Kao-tsung established this capital.

Lin-an (grudgingly accept Hang-chou)

3.After the Juchen took over the Northern part of the Sung empire they established their own dynasty which Genghis Khan later destroyed, name it.

The *Chin*

14. Identify the following about the passing of a notable Hip-Hop celebrity FTSNOP:

1.Recently this Puerto Rican giant passed away cause he ate too damn much, name him for 5 points.

Big Punisher or Big Pun or Christopher Rios

2.Big Pun made his name with the Terror Squad a group of latino rappers fronted by this man who often collaborated with him on such songs as *Deep Cover 98* and whose own album *Don Cartagena* is a must-have. Name him for ten.

Fat Joe

3.Big Pun first gained fame by yelling out that he's still not what kind of suave ass dude for 5.

a *player*

4. Finally name either of Big Pun's albums for a final ten.

Capital Punishment or *Yeahh Babyyyy!!!!*

15. Identify the composers of these important symphonic poems 5-5-10-10

1.5: *The Isle of the Dead*

Sergey Rachmaninoff

2.5: *Pines of Rome*

Ottorino Respighi

3. 10: *Francesca de Rimini*

Peter Ilyitch Tchaikovsky

4. 10: *The Accursed Huntsman*

Cesar Franck

16. Identify the African Author from works 30-20-10:

30: *Tsotsi*; *Dimetos*; *The Road to Mecca*

20: *The Island*; *A Lesson from Aloes*; *Hello and Goodbye*

10: *Boesman and Lena*; *Master Harold and the Boys*; *No Good Friday*

Athol Fugard

17. Identify the early economist from work and year of publication 5-5-10-10 each- hint the last two are translations:

1. *Progress and Poverty*; 1879

Henry George

2. *Principles of Economics*; 1890 — Alfred Marshall

3. *A Treatise on Political Economy*; 1803

Jean Baptiste Say

3. *Elements of Pure Economics*; 1874-1877

Leon Walras

18. Identify the following about the vertebral column FTSNOP:

1. Sitting on top of the column are these two cervicals forming a freely movable joint with the skull? Name them for 5 points each.

The *atlas* and the *axis*

2. This is the opening through which the spinal cord passes. Name it for ten.

vertebral foramen

3. For a final ten points identify the section of vertebrae, fused together in humans, lying above the coccyx, but below the lumbar section.

The *sacrum* or *sacral* vertebrae

19. Identify the following about Norse Myth 5-10-15:

1.5: This son of Loki and Angur Boda swallows the moon and Odin during Ragnarok.

Fenrir or *Fenris Wolf*

2.10: This son of Odin and Grid avenges Odin's death by killing Fenrir.

Vidar

3.15: Name the chain fashioned by the dwarves from the footstep of a cat; the roots of a mountain; a woman's beard; the breath of fishes; the sinews of a bear; and a bird's spittle which keeps him toed up until the final battle.

Gleipnir

20. Identify the following about goings on during the Mexican War for Independence FTPE:

1. After joining with the forces of Jose Morelos this hero of the Mexican Independence continued to lead his forces against the Spanish eventually joining forces with Augustin de Iturbide.

Vincente Guerrero

2. Guerrero and Iturbide issued this plan together in 1821. This manifesto became the political platform for the conservative wing of the Mexican independence movement.

Plan de Iguala

3. Eventually Guerrero was elected president in 1829, but his job was short lived as this famous general unseated him, replaced him with Anastasio Bustamente, and killed him.

Antonio Lopez de Santa Anna

21. Identify the following about some current events FTP each:

1. This country is one of the six in the world currently headed by women, however it has a long history of female political empowerment, being the first European country to allow women to vote and hold a seat in parliament.

Finland

2. Finland's first female president is this woman, a single mom, whose stay in Washington had her meet with Madeline Albright and discuss issues surrounding the Balkans.

Tarja Halonen

3. For a final ten identify the president who former Foreign minister Tarja Halonen replaced.

Martti Ahtisaari

22. Identify the following about *The Magic Mountain* 5-10-15:

1. This is the main character of Thomas Mann's 1924 bildungsroman.

Hans Castorp

2. Hans Castorp originally comes to this sanitarium to visit his cousin Joachim Ziemsen name the setting of the novel.

Haus Berghof

3. At Haus Berghof Hans meets many annoying characters including this rich Dutch coffee planter who arrives with Claudia but soon commits suicide.

Pieter Peeperkorn

23. Identify the following moons 5-5-10-10 each:

1. First located by Huygens in 1655 it is the only satellite known to have clouds and a dense atmosphere.

Titan

2. Explored most recently by a spacecraft named for its discoverer, Galileo, this moon was named by Simon Marius and is composed of roughly half rock and half ice by mass.

Ganymede

3. It revolves so slowly that each of its seasons is thought to last forty years, it also moves in retrograde orbit and was discovered in 1846 by William Lassell.

Triton

4. In spite of its tiny gravity it has managed to retain considerable amounts of regolith on its surface and like its companion it is gray and very dark. Discovered by Asaph Hall it is the outer of its planet's moons.

Deimos

24. Identify the following about an event in Indian History FTPE:

1. On April 13, 1919 379 were killed and 1200 wounded when protesters were fired on in an open space known as the Jallianwalla Bagh in this city.

Amritsar

2. Although the Hunter Commission condemned the commander of the troops, the House of Lords praised his actions at the time. Name him.

Reginald E.H Dyer

3. Many of the protesters there that day were showing their disdain for these measures that extended WWI emergency powers to the British government in India.

Rowlatt Acts

25. Identify the following about a weird organism 5-10-15:

1. For 5, this term is used to identify any of the 15,000 species of plants that consist of a symbiotic association of algae and fungi.

Lichen

2. This is the term for the plant body of lichens composed of filaments or plates of cells and ranging in size from a unicellular structure to a complex treelike form.

Thallus

3. These are the hairlike growths linking the thallus or body of the plant to its substrate.

Rhizines

26. Identify the American Poet from his/her collection of works 5-5-10-10:

1. *The Dream Keeper; Shakespeare in Harlem*

Langston Hughes

2. *Voices of the Night; Tales of a Wayside Inn*

Henry Wadsworth Longfellow

3. *Songs for a Summer Day; Tower of Ivory*

Archibald Macleish

4. *A City in Winter; Lunch Poems*

Frank O'Hara

27. Identify the architects of the following structures FTP each:

1. the Villa Rotonda in Vicenza and San Giorgio Maggiore in Venice

Andrea Palladio

2. the Rucellai Palace in Florence and the Church of San Andrea in Mantua

Leon Batista Alberti

3. the Capella Pazzi in Florence and the Church of San Lorenzo

Fillippo Brunelleschi