**BATE Quizbowl Tournament**

**Round 1**

1 **Franz Waxman composed a fantasy on themes from *Carmen* for this instrument and orchestra. This solo instrument also plays accompanied by orchestra in *Zigeunerweisen*, a piece composed by a virtuoso of this instrument, Pablo Sarasate. Virtuoso performers of this instrument include Jascha Heifetz,** Itzhak Perlman, and Joshua Bell. A nineteenth century Romantic performer of this instrument composed twenty-four caprices for it; that performer was Niccolo Paganini. For 10 points, name this string instrument higher pitched than a viola, which was historically crafted by Stradivarius.
ANSWER: **violin**s

2 **This president sent out the Polar Bear Expedition to intervene in an international conflict. The Adamson and Keating-Owens acts were also passed during his tenure. Another act he passed, which reduced tariff rates 40 to 25 percent below the Payne-Aldrich Tariff rates, was the Underwood Tariff Act. This man who was opposed in the Senate by Henry Cabot Lodge was originally a governor of** New Jersey. For ten points, identify this man who proposed a League of Nations after the Treaty of Versailles and delivered the *Fourteen Points* speech, the U.S. president during World War I.

ANSWER: Thomas Woodrow **Wilson**

3 **A bulge on the anterior surface of this organ is called the tuber omentale. A duct leading out of this organ attaches to the common bile duct, joining this organ to the gallbladder. One hormone secreted by this organ inhibits the release of growth hormone, that hormone is known as somatostatin. Amylin is produced in this organ’s beta cells, found in region called the Islets of** Langerhans. This organ produces the glucagon hormone along with its opposing hormone that lowers blood glucose levels, a substance deficient in patients with diabetes. For 10 points, name this organ that produces insulin.

ANSWER: **pancreas**

4 **In one of this man’s dramas, the queen falls in love with the title character after Don Sallusto disguises him as a noble. Another of his works centers on the jester Triboulet, who finds his daughter dead while plotting against Louis XII. In addition to *Ruy Blas* and *Le roi s’amuse*, this man wrote a drama in which Ebenezer Caudry’s marriage to Deruchette prompts Gilliatt’s suicide, and he wrote a novel in which Marius marries** Cosette after his life is saved by Jean Valjean. For 10 points, name this French author of *Toilers of the Sea* and *Les Miserables*.

ANSWER: Victor-Marie **Hugo**

5 **This god who is said to live in a peak in the Himalayas known as Mount Kailasa is worshiped through the phallic lingam symbol. One form of this god, Nataraja, is also known for holding the sacred hourglass shaped drum whose rhythm the Universe supposedly originated from. He obtained his blue throat after he drank all the poison churned up in the world ocean. This god who has the Ganges running through his hair burned Kama with his third eye. When this god’s son would not let him see his wife, he cut off his head in anger and replaced it with the elephant head of** Ganesha. For 10 points, name this Hindu destroyer god who forms the trimurti along with Vishnu and Brahma.

ANSWER: **Shiva**

6 **This state is home to the first major U.S. city to elect a socialist mayor, and its city of Victory was the site of the Battle of Bad Axe. The most populated areas of this state can be found in the southeast, in cities likes Beloit and Racine ,while a city in its northeast lies along the Fox River. Lake Winnebago lies in the eastern portion of this state, where one can find the city of Oshkosh and in the northeast this state is bordered by** Upper Michigan. For 10 points, name this U.S. state home to the cities of Green Bay and Milwaukee.

ANSWER: **Wisconsin**

7 **In one work by this sculptor, the subject wears a helmet with a central Sphinx-like figure surrounded by a griffin on each side. One of his works was a colossal bronze statue of a goddess standing between the Propylaea and the Parthenon and is titled the *Athena Promachos*. A more famous statue holds a shield in its left hand and a figurine of Nike in its right, and was once covered with gold. The creator of the** *Athena Parthenos* is, for 10 points, what Greek sculptor who created the Statue of Zeus at Olympus?

ANSWER: **Phidias**

8 **Pope Pius the 9th’s *Etsi Multa* blamed freemasonry for one of this man’s policies that started with the poisoning of a lion in his country’s zoo. After Prince Gerchakov denounced him, his short lived League of the Three Emperors failed. The Kanzelparagraph and Adalbert Falk’s May laws helped push forth a policy that would reduce the influence of Catholic Church in his country known as** Kulturkampf. This man also forged the Ems dispatch to trigger the Franco-Prussian War. For 10 points, identify this “iron chancellor” who was a leading figure in the unification of Germany.

ANSWER: Otto Eduard Leopold von **Bismarck**

9 **An enzyme containing molybdenum is used to cleave a strong bond that this element forms. Nanotubes similar to carbon nanotubes uses a compound containing boron and this element. When bonded to carbon, it forms a complex with iron known as Prussian blue. When bonded to oxygen, it forms a powerful vasodilator popular among bodybuilders. Two atoms of this element are found in laughing gas and a diatomic molecule composed of this element reacts with hydrogen gas in the** Haber process. For 10 points, name this compound bonded to three hydrogen atoms in ammonia.

ANSWER: **nitrogen** (prompt on “N”)

10 **A character in one of this man’s novels creates a television show about his doll, Little Brain. His latest novel includes Vlad the Impaler and Elizabeth I, but begins in Akbar’s court and ends in Italy. This author of *The Enchantress of Florence* and *Fury* wrote about the grisly murder of American diplomat Max Ophuls by a tightrope walker in *Shalimar the Clown*, while Gibreel Farishta and Saladin Chamcha begin one of this man’s works in a** hijacked airplane. In his most famous work, characters like Saleem Sinai are born with special powers. For ten points, name this Indian author of *The Satanic Verses* and *Midnight’s Children*.

ANSWER: Sir Ahmed Salman **Rushdie**

11 **This man was criticized for trying to link the Soviet Union to the attempted 1981 assassination of Pope John Paul II. He gave up his 1987 bid to lead the CIA following the fallout from the Iran Contra Affair although he would later lead the CIA from 1991-1993. In another position held by this man, he dealt with the fallout following a *Washington Post* article detailing conditions at Walter Reed Medical Center and oversaw a 2007** troop surge. This man succeeded Donald Rumsfeld in his highest post, in which he has overseen the withdrawal of troops from Iraq. For 10 points, name this man who serves as President Obama’s Secretary of Defense.

ANSWER: Robert **Gates**

12 **This technique can be replaced with a more accurate technique calculated by taking one third the difference of the right and left end points, multiplied by the sum of *f of a* plus *f of b* plus four times *f of a* *plus b* over two; that technique is called Simpson’s rule. Applying this method from the \*right will give an overestimate for a monotonically increasing function and an underestimate for a monotonically decreasing function; using both the right and left side of this method will give a better estimate in a variation of this technique known as the** trapezoid rule. For 10 points, name this method of estimating the area under a curve by dividing it into a group of rectangular blocks, named for a German mathematician.

ANSWER: **Riemann sum** (prompt on integration before “right”)

13 **This man fled to Jamaica after early military failures, then led a small group that captured Angostura. After his early attempts at democracy failed, he issued the “Organic Decree of Dictatorship” and the “Decree of War to the Death” to justify his ruthless practices. In 1822, he met Jose de San Martin at the Guayaquil Conference. With the aid of Francisco Santander and Jose Antonio Sucre, this first president of** Gran Colombia won the battles of Ayacucho, Junin, Carabobo, Pichincha and Boyaca against Spanish forces. For 10 points, identify this South American revolutionary known as “The Liberator.”

ANSWER: Simon **Bolívar**

14 **One idea proposed by this man develops a behavior through gradual approximations; that idea is known as shaping. By varying the amount of food delivered to test animals, he developed the concept of schedule of reinforcement, in which a certain behavior is rewarded with food at fixed intervals or at a continuous rate. This man developed a box whereby an organism presses a lever to deliver food and also wrote a work which sought to develop a community based on the ideas of Henry David** Thoreau. For 10 points, name this American psychologist who developed the operant conditioning chamber and authored *Walden Two.*

ANSWER: Burrhus Frederic **Skinner**

15 **In one scene in this novel, the narrator is taken into New York and introduced to Meyer Wolfsheim, who fixed the 1919 World Series. A prominent image in this novel is a sign advertising the optometrist TJ Eckleburg which has been worn down so that only the eyes and mouth remain. The climax of the novel occurs when Myrtle Wilson is hit and killed by Daisy** Buchanan, who had been driving the titular character's roadster. That causes George Wilson to shoot the protagonist in, for 10 points, what F. Scott Fitzgerald novel narrated by Nick Carraway?

ANSWER: *The* ***Great Gatsby***

16 **The father of this artist was known for his illustrations of an edition of *Treasure Island* and his collaboration with *Scribner’s* magazine. Several of his paintings were inspired by Anna and Karl Keurner, his neighbors in Chadds Ford, Pennsylvania. His painting *Indian Summer* depicted Siri Erickson, although more prominent are the over 200 portraits of his neighbor Helga Testorf. Another painting by this man is set in** Cushing, Maine and shows the physical struggles of a member of the Olson family. For 10 points, name this American artist who painted *Christina’s World*

ANSWER: Andrew **Wyeth**

17 **One person supported by this king authored *A New Gag for An Old Goose;* that man was Richard Montagu. A group led by Thomas Darnell attempted to fight this ruler in court in the Five Knight’s Case. His attempts to reform the Scottish church led to the First and Second Bishop Wars. The power of this ruler was somewhat checked by the Petition of Right; later he was forced to ask for money from the Short and Long** Parliaments. Eventually a court established by the Rump Parliament tried this man following a coup known as Pride’s Purge. For 10 points, name this English king executed in 1649 during the English Civil War.

ANSWER: **Charles I**

18 **In this religion, children are named by opening up a sacred text to a random page and taking the first letter at the top left corner of the left page. In this religion, a hukam is a random verse read at the end of a service while sacred temple, are known gurdwaras, literally meaning doorways. One leader of this religion created an order from the five beloved known as the khalsas who follow a set of tenets known as the** five K’s. Founded by Nanak Dev, the holy scripture of this religion is known as the Adi Granth. For 10 points, name this religion found primarily in India based on the teachings of the ten Gurus.

ANSWER: **Sikh**ism

19 **In AC circuits, a “factor” named for this quantity is equal to the cosine of the phase angle. In optics, one form of this quantity is equal to the reciprocal of the focal length. It also equal to sound intensity times area; taking the ratio of two values of it gives the decibel. In fluid dynamics it is equal to the pressure times the flow rate. In electrical components this is equal to the square of current times** resistance or voltage times current, while in mechanics it can be defined as torque times angular velocity or force times velocity. For 10 points, give this term from physics equal to the rate of change of work over time, typically measured in watts.

ANSWER: **power**

20 **In the first section of this poem, Crispissa is entrusted with guarding the title object. In one part, two men named Florio and Damon vie for the same woman. The central character of this poem owns a dog named Shock and travels down the Thames River in the second section. Characters in this poem include the Queen of Spleen and Thalestris, who urges Sir Plume to defend this poem’s victim. Lord Petre appears in this poem, as do Belinda, Ariel and** Umbriel. The beginning of this poem asks “what mighty contests rise from trivial things?”. For ten points, name this mock epic by Alexander Pope about a dispute over the cutting of hair.

ANSWER: “The **Rape of the Lock**”

**Extra Tossups**

21 **This event grew out of an alliance between the Choshu domain and another domain that had joined forces due to their mutual connection with Emperor Komei. It was resisted by the White Tiger Corps and Northern Alliance, and also saw the formation of the short lived Ezo Republic through the** Boshin War. In addition to the creation of the Charter Oath, this event also saw the passage of a constitution modeled on Prussia’s. It also saw the end of the feudal “han” system and the beginning of privatization of land. For 10 points, identify this event of the mid 19th century that saw the overthrow of the Tokugawa Shogunate and the modernization of Japan.

 ANSWER: **Meiji Restoration**

22 **This character asks if one figure is “bare and full of wretchedness,” and he also claims that “contempt and beggary” hang upon that figure’s back.  Following the exchange, he then pays the other character’s poverty forty ducats.  He then receives an item that has enough strength to take out twenty men straight.  After it is used, another figure tries to get a drop of it from this man’s lips, but failing to do so, uses his** knife instead.  For 10 points, identify this Shakespearean title character that kills Tybalt and later swallows poison, which prompts Juliet to stab herself.

ANSWER:  **Romeo**

23 **In this effect, when the work function of the material is less than Planck's constant times the frequency of the particle involved, the maximum kinetic energy is given by the difference between the two. “Fermi's golden rule” can be used to calculate the probability of an atom** ejecting a particle via this effect, which was first observed by Heinrich Hertz. Demonstrating the wave-particle duality of light, for 10 points, name this effect studied by Einstein where electrons are emitted from matter hit by electromagnetic radiation.

ANSWER: **photoelectric** effect

1 This work opens with a group of boys including Bobby and Harry Jones gathering a pile of stones. For 10 points each:

[10] Name this short story that ends with the death of Tessie Hutchinson.

ANSWER: “The **Lottery**”

[10] “The Lottery” was a work by this author of such novels as *The Haunting of Hill House* and *We Have Always Lived in the Castle*.

ANSWER: Shirley **Jackson**

[10] This elderly man, the oldest character in “The Lottery”, proclaims that those who want to end the tradition are a punch of “crazy fools” and adheres to the belief of “Lottery in June, corn be heavy soon”.

ANSWER: Old Man **Warner**

2 According to legend, one commander in this battle had a vision instructing him to mark his soldiers’ shields with a Latin cross. For 10 points each:

[10] Name this 313 CE battle, a victory for Constantine the Great against Maxentius.

ANSWER: Battle of **Milvian Bridge**

[10] Constantine the Great was the first Roman Emperor to practice this religion.

ANSWER: **Christianity**

[10] In the aftermath of the battle, Constantine signed the Edict of Milan with this emperor of the Eastern Roman Empire, thus proclaiming religious freedom throughout the empire.

ANSWER: **Licinius** (accept [Valerius](http://en.wikipedia.org/wiki/Valerius) Licinianus **Licinius**)

3 Answer these questions about colloids, for 10 points each.

[10] This class of colloids contains one liquid dispersed in another; common examples are milk and mayonnaise.

ANSWER: **emulsion**

[10] Colloids were extensively studied by this Scottish chemist who developed a law which states that the rate of effusion for a gas is inversely proportional to the square root of its molar mass.

ANSWER: Thomas **Graham**

[10] Colloids are notable for causing this form of light scattering, which manifests itself in the blue light sometimes visible in smoke.

ANSWER: **Tyndall** effect/scattering

4 One section of this uses the woodwinds to portray the stutter of a woman whose name Dorabella is taken from Mozart’s *Cosi fan Tutte.* For 10 points each:

[10] Name this set of 14 works whose 9th section is titled after a Biblical hunter named Nimrod.

ANSWER: ***Enigma Variations*** (accept **Variations on an Original Theme**, Op. 36)

[10] The *Enigma Variations* was a work by this English composer whose “Pomp and Circumstance” March is played at graduations.

ANSWER: Edward **Elgar**

[10] Elgar’s *Dream of Gerontius* was based on a poem by this cardinal who defended attacks leveled by Charles Kingsley in his *Apologia Pro Vita Sua.*

ANSWER: Cardinal John Henry **Newman**

5 A November 2004 brawl at an NBA game is often referred to as the Malice at the Palace. For 10 points each:

[10] The brawl took place between the Pacers and this other Eastern Conference team, who beat the Lakers in the 2004 finals with a team led by Ben and Rasheed Wallace, Chauncey Billups, and Richard Hamilton.

ANSWER: **Detroit** **Pistons**

[10] Among the players suspended in the aftermath was this Pacer’s forward from 2000-2008. He now plays for the Celtics.

ANSWER: Jermaine **O’Neal**

[10] The second longest suspension after the one given to Ron Artest was given to this Pacer’s guard who was later traded to Golden State and now plays for Charlotte. In 2006 he was arrested following an altercation at a strip club.

ANSWER: Stephen **Jackson**

6 This work examines the concept of deep play and describes fleeing a police raid on the title event with locals. For ten points each:

 [10] Name this essay from *The Interpretation of Cultures* which discusses the cultural implications of the titular combat.

 ANSWER: ***Notes on The Balinese Cockfight***

 [10] This American proponent of thick description wrote *Notes on The Balinese Cockfight* in *The Interpretation of Cultures*

 ANSWER: Clifford **Geertz**

 [10] Another Geertz work describes the evolution of this religion in countries like Indonesia and Morocco where it is most prominent.

ANSWER: **Islam**

7 Answer these questions about blood types, for 10 points each.

[10] Blood type refers to the presence of certain antigens on the surface of these cells. These blood cells lack a nucleus and are used to deliver oxygen.

ANSWER: **red** blood cells or **erythrocyte**s

[10] The term positive, such as in the blood types “A positive” or “B positive” refers to a factor discovered by Karl Landsteiner and Alexander Weiner while studying this organism.

ANSWER: **Rhesus** macaque or **Rhesus** monkey (prompt on “monkey” or “Rh factor”)

[10] Individuals with O, A or B blood all contain this antibody. This is the physically largest antibody in the body and the first that is produced in an immune response.

ANSWER: **Immunglobulin M** or **IgM**

8 This man established a form of religion known as the Cult of the Supreme Being. For 10 points each:

[10] Name this French revolutionary figure, the head of the Committee of Public Safety during the Reign of Terror.

ANSWER: Maximilien **Robespierre**

[10] Robespierre was executed during this event sparked by the violence of the Reign of Terror. It takes its name from a month in the French Revolutionary calendar.

ANSWER: **Thermodorian** Reaction/Revolution

[10] During the Reign of Terror, the Committee of Public Safety were supported by this class of poorer members of the Third Estate, so named for their fashion of wearing trousers instead of knee breeches.

ANSWER: **sans-culottes**

9 Answer these questions about the Greek god of the underworld, Hades, for 10 points each.

[10] In one story, Hades abducted this woman, the daughter of Demeter, and made her his wife.

ANSWER: **Persephone**

[10] The newly dead entered Hades’ realm by crossing the Acheron River while being led by this ferryman.

ANSWER: **Charon**

[10] Although Hades was the god of the underworld, this other god tricked by Sisyphus was the actual embodiment of death in Greek mythology.

ANSWER: **Thanatos**

10 For 10 points, identify these characters from Shakespeare’s *Hamlet*.

[10] This brother of Hamlet Sr. is the main villain of the play. He marries Hamlet’s mother Getrude and is killed by Hamlet at the end of the play.

ANSWER: **Claudius**

[10] Hamlet is eventually killed by this man, the son of Polonius and brother of Ophelia. He is absent throughout part of the play while on a trip to France.

ANSWER: **Laertes**

[10] One of the few people alive at the play’s end, this close friend of Hamlet and classmate at the University of Wittenberg is loyal to the title Prince of Denmark throughout the entire play.

ANSWER: **Horatio**

11 The second incarnation of the KKK was formed at this site in 1915. For 10 points each:

[10] Name this Georgia monument that shows the faces of Stonewall Jackson, Robert E. Lee, and Jefferson Davis.

ANSWER: ***Stone Mountain***

[10] *Stone Mountain* was a work by this Danish sculptor who carved four other faces in his signature work, *Mount Rushmore*.

ANSWER: Gutzon **Borglum**

[10] Borglum also did a statue of John Mackay, an Irish immigrant who operated mines at this site, now Virginia City, Nevada, the first major silver discovery in the U.S.

ANSWER: **Comstock Lode**

12 A period called the Scramble for Africa saw European powers colonize most of the continent. For 10 points each:

[10] European interests were formalized at an 1884-1885 conference in this European city.

ANSWER: **Berlin**

[10] British ambitions in Africa were driven by this statesman, an advocate for the Cape to Cairo Railway who played a key role in the Jameson Raid.

ANSWER: Cecil **Rhodes**

[10] During the colonization of the continent, British and French forces met in Southern Sudan at this 1898 standoff.

ANSWER: **Fashoda** incident

13 Granite and obsidian are both forms of this type of rock. For 10 points each

[10] Name this type of rock formed from the cooling of magma, one of the three main categories of rocks along with metamorphic and sedimentary rocks.

ANSWER: **igneous** rocks

[10] This term describes igneous rocks with high silicon concentrations. It is contrasted with mafic rocks which have low silicon concentrations.

ANSWER: **felsic** rock

[10] This type of fine grained, mafic, igneous rock is formed from lava cooling at the Earth’s surface.

ANSWER: **basalt**

14 One section of this work discusses the Earthly and Heavenly cities while its title is used to describe the eternal happiness of Christian saints. For 10 points each:

[10] Name this philosophical work that opens by describing how paganism brought down the Roman Empire.

ANSWER: *The* ***City of God*** *Against the Pagans* (accept *De* ***Civitate Dei*** *contra Paganos*)

[10] *The City of God* was a work by this Bishop of Hippo and author of *The Confessions*.

ANSWER: Saint **Augustine**

[10] Augustine’s *The Confessions* partially deals with his early adherence to this Persian Gnostic religion that emphasized the dual role between good and evil.

ANSWER: **Manichaeism**

15 One work by this author concerns a child who goes by the name of Gogol. For 10 points each:

[10] Name this author who wrote of the cultural struggles of an Indian-American family in *The Namesake*.

ANSWER: Jhumpa **Lahiri**

[10] This other Indian author wrote the Indian national anthem *Jana Gana Mana* along with a book of song offerings called *Gitanjali*.

ANSWER: Rabindranath **Tagore**

[10] The introduction to the English edition of *Gitanjali* was written by this poet who wrote about an Irish rebellion against British rule in “Easter 1916”.

ANSWER: William Butler **Yeats**

16 Answer these questions about different points on the Trans-Siberian Railway, for 10 point each.

[10] At the railway’s western end is this home of the Kremlin, the most populous city in Europe.

ANSWER: **Moscow**

[10] About a third of the way in, the railway crosses over this large river of Siberia. The Irtysh River is the chief tributary of this river which eventually flows into an arm of the Kara Sea.

ANSWER: **Ob** River

[10] At the eastern end of the railway is this largest Russian city on the Pacific Ocean, home to the Russian Pacific Fleet.

ANSWER: **Vladivostok**

17 Answer these questions about the War of 1812, for 10 points each.

[10] Francis Scott Key wrote *The Star Spangled Banner* during the British siege of this fort in Baltimore harbor.

ANSWER: Fort **McHenry**

[10] Among the cause of the war was this British policy of forcing captured U.S. sailors to serve in the British navy.

ANSWER: **impressment**s (accept word forms like “**impress**ing US sailors”)

[10] British forces won a bloody victory at this 1814 battle fought near Niagara Falls in Canada. During it, American forces under Jacob Brown and Winfield Scott were forced to retreat back to Fort Erie.

ANSWER: Battle of **Lundy’s Lane**

18 We first meet this character after he is told of his mother’s death; later he kills an Arab man while in Algeria. For 10 points each:

[10] Name this protagonist of *The Stranger*.

ANSWER: **Meursault**

[10] *The Stranger* was a work by this French-Algerian author who wrote of Dr. Rieux investigating the death of thousands of rats in *The Plague*.

ANSWER: Albert **Camus**

[10] In *The Stranger*, Meursault helps this friend of his who suspects his girlfriend of infidelity. A series of incidents involving this man and Meursault leads Meursault to kill the Arab man on the beach.

ANSWER: **Raymond** **Sintes** (accept either)

19 In 1909, Ernest Rutherford directed a groundbreaking chemistry experiment that led to the idea of a small, extremely dense nucleus. For 10 points each:

[10] The experiment used an extremely thin foil of this metal.

ANSWER: **gold** foil

[10] The experiment was performed by firing a beam of this particle at the gold foil. This particle has two protons and two neutrons, thus giving it a plus two charge.

ANSWER: **alpha** particle

[10] The detector used in the experiment was this metal’s sulfide salt. This metal is also found in a protein motif known as its namesake “finger”.

ANSWER: **zinc**

20 The main subject of this painting is Aris Kindt, a man who was executed for armed robbery. For 10 points each:

[10] Name this painting that shows a group of seven physicians examining a corpse.

ANSWER: *The* ***Anatomy Lesson*** *of Dr. Nicolaes Tulp*

[10] *The Anatomy Lesson* was a painting by this Dutch artist who depicted a company led by Frans Banning Cocq in his *Night Watch.*

ANSWER: **Rembrandt** van Rijn

[10] This other Rembrandt painting is a depiction of the writing on the wall scene found in the Book of Daniel.

ANSWER: **Belshazzar’s Feast**

**Tiebreaker Bonus**

21 Identify these various animal phyla, for 10 points each:

[10] Crustaceans are all member of this phylum, members of whom possess an exoskeleton. This phylum includes crabs, spiders and all insects.

ANSWER: **arthopod**a

[10] Sponges are found in this phylum, known for a matrix like material called the mesohyl.

ANSWER: **porifera**

[10] Flatworms are found in this phylum consisting of invertebrates possessing bilateral symmetry. Because of their thin nature, they pass through oxygen and nutrients via diffusion.

ANSWER: **platyhelminthe**s