

Packet Exchange 2009
Packet 1 by Sandy Huang

1. This planet's most eccentric moon is named after the daughter of Bolthorn, the wife of Borr, and the mother of Odin, named Bestla. The Pangea Chasm is present on one of its moons while four linear depressions known as the tiger stripes are present on another of its moons. In addition to those two moons, Mimas and Enceladus, this planet is also orbited by Dione, Iapetus, and Rhea. The Encke gap is present in this planet's Cassini divisions. Robert Zubrin has suggested for the colonization of humans on this planet's moon, Titan. Containing the Great White Spot, for 10 points, name this sixth planet away from the Sun.

ANSWER: **Saturn**

2. During this battle, blindness was brought upon the son of Cuphagoras, Epizelus. Another incident during this battle occurred when an axe chopped off the arm of the son of Euphorion, Cynegeirus. One commander stated "leave for all generations of humanity a memorial to yourself such as not even Harmodius and Aristogiton have left" in persuading the other commander to attack the opposing side without delay. Artaphernes and Datis were defeated by Callimachus and Miltiades at this battle. For 10 points, name this 490 BCE battle, ending in an Athenian victory, in which Pheidippides ran 26 miles so he could announce the Greek victory.

ANSWER: Battle of **Marathon**

3. This man's travel writings include *A Poet's Day Dreams* and *A Poet's Bazaar*. He wrote a play entitled *The Mulatto* and his long fiction works include *The Improvisatore*, *Lucky Peer*, *O.T.*, and *Only a Fiddler*. Plotlines of his other stories include: a flower which sings when kissed by God, a protagonist summoning three dogs, an old woman's collection of cats teasing a title character, and a title character buying a potion from the Sea Witch. For 10 points, name this writer of "The Angel", "The Tinderbox", "The Ugly Duckling", and "The Little Mermaid" who spent his life writing fairy tales in Denmark.

ANSWER: Hans Christian **Andersen**

4. This man depicts a child receiving nourishment via suckling a nipple while the mother is seated on the Throne of Wisdom in a painting named after a province in Tuscany. Another painting depicts an angel crowning the central figure while that painting's namesake's hometown of Autin, France, is present in the background. In addition to *Lucca Madonna* and *Madonna of Chancellor Rolin* respectively, this man inscribed "I Do as I Can" at the bottom of a self-portrait. In addition to *Portrait of a Man in a Turban*, for 10 points, name this Flemish painter who produced *The Arnolfini Wedding* and *The Ghent Altarpiece*.

ANSWER: **Jan van Eyck**

5. This man wrote *Religion Within the Bounds of Reason* and *Transition from the Metaphysical Foundations of Natural Science to Physics*. In addition to those two works, he wrote *Observations on the Feeling of the Beautiful and Sublime* and *Fundamental Principles of the Metaphysics of Ethics*. In one work he maintains the human mind does not come from intuition. In another work he posits that good behavior requires the right inner motivations. In yet another work he introduces the Transcendental Doctrine of Method. For 10 points, name this philosopher who wrote *Critique of Judgment*, *Critique of Practical Reason*, and *Critique of Pure Reason*.

ANSWER: Immanuel **Kant**

6. In Palo and Santeria, this man has been syncretized with Ogun. After the arrest of one of this man's friends, he cuts off an ear of Malchus. Under the reign of Nero, this man became a martyr during the Great Fire of Rome leading to his upside down crucifixion. A female servant had attracted the attention of bystanders leading those bystanders to recognize this man's accent thus becoming known as this man's three denials of one of his friends. After that friend, Jesus, was resurrected, this man professed his three loves for Jesus. For 10 points, name this man attributed as the first Pope and who built a namesake basilica in Rome.

ANSWER: Saint **Peter**

7. Around 1000 BCE, Lake Van was the center of this country's region of Uratu. Fighting between an opposing country's general Isgander Hamidov and this country's general Samvel Babayan ceased under the Bishkek Protocol. The OSCE Minsk Group and Russia have attempted to broker peace as to who owns the Nagorno-Karabakh region between that opposing country's president Iham Aliyev and this country. Gaglik Beglaryan is the mayor of its capital city and its president is Serzh Sargsyan, for 10 points, name this country who feuds constantly with Azerbaijan and has its capital located at Yerevan.

ANSWER: **Armenia**

8. In one of this man's works, Nora Reilly is disabused of the notion of living a romantic life with Laurence Doyle which subsequently leads to her marriage to Tom Broadbent in this writer's work entitled *John Bull's Other Island*. Sergius decides to marry Louka which then leaves Bluntschili free to marry the woman previously engaged to Sergius, Raina Petkoff, in this writer's work entitled *Arms and the Man*. In another of this writers' works, the protagonist's mother is a prostitute going by the alias Miss Vacasour. *Mrs. Warren's Profession* was written by, for 10 points, this writer who also wrote *Major Barbara* and *Pygmalion*.

ANSWER: George Bernard **Shaw**

9. Like carboxylic acids, these substances can be produced from the chromic oxidation of primary and secondary alcohols during the Jones oxidation. A one-pot synthesis heating of a compound found in these substances in addition to potassium hydroxide and hydrazine hydrate in ethylene glycol is known as the Huang-Minlon modification. That modification shortens the reaction rate for these substances in the Wolff-Kishner reduction. A compound characterized by an aqueous ammonium complex, named a Tollens' reagent, is used to tell these compounds apart from aldehydes. For 10 points, name these compounds found in the form R₁COR₂.

ANSWER: **ketones** [prompt on carbonyl; prompt on aldehydes]

10. This man paid eleven thousand pounds of gold in order to conclude the Treaty of Eternal Peace with Khosrau I. An angry populace of this man's kingdom wanted John the Cappadocian to be dismissed and for the nephew of Anastasius I, Hypatius, to be installed as the new emperor during the Nika riots. This ruler's generals included Mundus, Narses, and Belisarius. Later in his reign, he ordered the construction of an Isidore and Anthemius designed Hagia Sophia. He had succeeded his uncle Justin I and married the prostitute Theodora before becoming emperor. For 10 points, name this Byzantine ruler who compiled a namesake Roman law code.

ANSWER: **Justinian I** the Great [or **Justinian the Great**]

11. This man wrote *Formal and Transcendental Logic*, *On the Goals of Metaphysics*, and *Philosophy as a Rigorous Science*. As a mathematician, this man wrote *On the Concept of Number* and *Philosophy of Arithmetic*. He developed the idea that the universe is a self-evident world in his Lebenswelt concept. He expanded on his founding philosophical method in his works entitled *Logical Investigations* and *Cartesian Meditations*. His founding philosophical method was designed to study self-awareness and human consciousness. For 10 points, name this German philosopher who wrote *Ideas: General Introduction to Pure Phenomenology*.

ANSWER: Edmund **Husserl**

12. This mythological figure is considered a master of yoga in the guru depiction of him. Lasya and Tandava comprise the two forms of the cosmic dancer depiction of this mythological figure. In addition to his Dakshinamurthy and Nataraja forms, praise for Yupa-Stambha transformed into a symbol of worship for this mythological figure known as Lingam. This mythological figure resides at Mount Kailash and rides the bull Nandi. His consort Parvati dominates him in addition to giving birth to his son Ganesha. Along with fellow Trimurti members Brahma and Vishnu, for 10 points, name this Hindu destroyer god.

ANSWER: **Shiva**

13. In this man's last game, John Salmons was intentionally fouled by Bobby Simmons so this man could return to the bench. In that same game, this man made his last two shots from the free throw line after getting fouled by Eric Snow. He was quoted as saying "we wanted it real bad" after winning on the road in his Flu Game. Despite being double teamed by Larry Nance and Craig Ehlo, this basketball player hit the game winning basket to put his team over the top against the Cleveland Cavaliers. A teammate of Dennis Rodman and Scottie Pippen, for 10 points, name this Chicago Bulls basketball player who wore the jersey number twenty-three.

ANSWER: Michael **Jordan**

14. In one of this man's works, a poisoned omelet is fed to Laurette by a soldier disguised as the servant Silvio who later again disguises himself as the title character named *Doctor Miracle*. The title protagonist sings the solo *Ghazel* and with the help of Splendiano wins the heart of Haroun in this man's work entitled *Djamileh*. With her beauty, Leila captures the attention of both Nadir and Zurga in this composers' work entitled *The Pearl Fishers*. Both the *Toreador Song* and *Habanera* are present in one of this composer's works. For 10 points, name this composer of *Carmen*.

ANSWER: Georges **Bizet**

15. A deficiency of alpha-L iduronidase leads to a buildup of glycosaminoglycan in these structures. A deficiency of glucocerebrosidase in these structures leads to an accumulation of lipids. In addition to Hurler's syndrome and Gaucher's disease, insufficient activity of hexosaminidase A in these structures causes Tay-Sachs disease. Membranes around these cell structures allow for digestive enzymes to work at four point five pH thus leading to the processes of autophagy, endocytosis, and phagocytosis. For 10 points, name these cell structures responsible for destroying useless or dead cells.

ANSWER: **lysosomes**

16. This man was chosen over England's Edward VII as the target of Italian anarchist Gennaro Rubino's unsuccessful assassination attempt. British journalist Edward Dene Morel and socialist leader Emile Vandervelde assisted in confirming the Casement Report against this man who was forced to give up a certain piece of territory. Mwenda Msiri was killed during a race for Katanga during the Stairs Expedition which was ordered by this ruler. Henry Morton Stanley assisted this ruler in laying claim to that piece of territory. For 10 points, name this Belgian ruler who exploited the Congo Free State.

ANSWER: **Leopold II**

17. The motif of hidden meanings is presented in this man's work entitled *A Draft of Shadows*. He wrote that "the history of love is inseparable from the history of the freedom of women" in an essay entitled *The Double Flame*. He described his experience as an ambassador to India in a poem entitled *Vrindaban*. This writer wrote that "we must cultivate and defend particularity, individuality, and irregularity" in an essay entitled *Convergences*. He reflected on the synodic period of Venus in one poem while in one essay he analyzed the history of Mexico. For 10 points, name this writer who wrote *Sunstone* and *Labyrinth of Solitude*.

ANSWER: Octavio **Paz**

18. This phenomenon was first introduced by its namesake in the treatise *On the Colored Light of the Binary Refracted Stars and Other Celestial Bodies*. On an Utrecht-Amsterdam train, this phenomenon was tested by Christophorus Henricus Diedericus Buys Ballot. By adding a Lorentz factor correction, this phenomenon's transverse variety was exploited in the Ives-Stilwell experiment. For electromagnetic waves, this phenomenon can cause a blueshift or a redshift. For 10 points, name this effect where the frequency of a wave changes as the source of the wave moves relative to an observer of the source.

ANSWER: **Doppler** effect

19. Due to Robert Field Stockton's *Peacemaker* artillery gun defecting, this man's Secretary of State Abel Park Upshur and Secretary of the Navy Thomas Walker Gilmer were killed on the *USS Princeton*. He decided not to send troops because "domestic violence" was "hourly diminishing" during Dorr's rebellion. During his presidency, the Webster-Ashburton Treaty was signed in addition to the annexation of the Texas Territory. Known as "His Accidency", for 10 points, name this President who succeeded William Henry Harrison in addition to having a campaign slogan which read "Tippecanoe and [this man] too!".

ANSWER: John **Tyler**

20. This man wrote *A Discourse on the Life and Genius of George Washington* in addition to *A Discourse on the Life and Genius of James Fenimore Cooper*. He also wrote *The Rivulet*, *Rizpah*, and *To the Fringed Gentian*. In one of this writer's poems, the title creature flies alone instead of in a flock thus symbolizing American individualism. One of his poems includes the line "Thou shalt lie down / With patriarchs of the infant world—with kings / The powerful of the earth—the wise, the good / Fair forms, and hoary seers of ages past / All in one mighty sepulcher". For 10 points, name this writer who wrote *To a Waterfowl* and *Thanatopsis*.

ANSWER: William Cullen **Bryant**