

Don't Underestimate Our Set (DUOS) Packet 6

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1. **Princess Ateh responds to a “Polemic” in a novel written in this format which is divided into sections representing the three major religions and comes in “male” and “female” versions. W.C. Minor’s contribution to one of these texts is recounted by Simon Winchester in *The Meaning of Everything*. One work of this type describes the concept of religion as the “child of hope and fear.” That work of this type quotes poets such as Father Gassalasca Jape and claims Benjamin Franklin was eaten by cannibals in the Sandwich Islands. Nine years were spent creating one of these works as recounted in a biography by (*) James Boswell. Ambrose Bierce created a satirical one of these texts named for the Devil. Samuel Johnson and Noah Webster were renowned lexicographers, known for creating, for 10 points, what texts that provide definitions and pronunciations of words?**

ANSWER: **dictionary** [accept *The Dictionary of the Khazars*, *The Dictionary of the English Language*, *The Devil’s Dictionary*, *The Oxford English Dictionary*, or the Webster Dictionary] <Ganeshan - Other Literature>

2. **An offshoot of an organization based in this country had a symbol merging a crowned eagle with an anchor and was outlawed in 1981. A movement based in this country criticized its ZOMO police force and distributed the pamphlet, “Theses on Hope and Hopelessness.” That movement based in this country, which grew from the KOR, published a poster depicting an image from the film *High Noon* and was opposed by Secretary Kania. A leader of this country implemented (*) “shock therapy” economics in the Balcerowicz plan. The Round Table Talks involved an organization based in this country that was founded in the Lenin Shipyards in the city of Gdansk. The Solidarity trade union was based in, for 10 points, what country where the Sejm meets in Warsaw?**

ANSWER: **Poland** <Ganeshan - European History>

3. **From his work with Simon Kuznets, this man concluded that people make anticipated decisions based on economic factors in the future, a phenomenon which he termed the permanent-income hypothesis. This critic of the QE approach proposed that money should be injected straight into a community via a metaphorical “helicopter.” Along with Edmund Phelps, this man criticized the model put forth by the Phillips curve, instead supporting the theory that there exists a (*) “natural rate of unemployment.” This man proposed a policy in which the central bank of a country should increase the money supply each year at a constant rate, which he dubbed his “k-percent rule.” This man advised Augusto Pinochet, and served as an economic advisor to Margaret Thatcher and Ronald Reagan. For 10 points, name this monetarist member of the Chicago School of Economics.**

ANSWER: Milton **Friedman** <Tegulla - Social Science>

4. **Note to moderator: read the answerline carefully BEFORE starting the question The most famous one of these objects was discovered by using the ELODIE spectrograph, which utilizes a method that observes slight Doppler shifts resulting from a “wobble” caused by these objects' influence; that method, which was utilized by Michel Mayor and Didier Queloz, is called the “radial velocity” method. Another method for detecting these objects looks for dips in a star’s brightness that may indicate these objects performing a (*) transit. The mission of the Kepler space telescope is to find types of these objects residing within an area of space called the “habitable zone”. Types of these objects which have similar conditions to that of the Earth are good candidates for alien life. For 10 points, name these objects which orbit stars besides the Sun.**

ANSWER: **exoplanets** [prompt on all descriptions indicating planets outside of the Solar System; accept Hot Jupiters before the second line; prompt on planets by saying “Planets with what characteristic?”] <Tegulla - Other Science>

5. In a novel by this author, a woman is “half-strangled” and later burned to death in an old Roman amphitheater known as “The Ring.” One of this author’s characters organizes a “skimmity-ride” with the help of Mrs. Cuxson after the reading of a love letter. In a novel by this author, the protagonist describes a “blighted star” they live on and works with Retty and Izz as a milkmaid. In another novel by this author, Lucetta Le Sueur [“lay soor”] dies in childbirth after Joshua Jopp reveals an affair. In that novel by this author, the title character drunkenly sells his wife and children for (*) five guineas. The title character of another novel by this author bears Sorrow when having an affair with a man who she eventually stabs. That character created by this author flees to Stonehenge after attempting to reunite with Angel Clare. For 10 points, name this author of *The Mayor of Casterbridge* and *Tess of the D’Urbervilles*.

ANSWER: Thomas **Hardy** <Ganeshan - British Literature>

6. A plaza in this city was the first to implement a damage-preventative design in which the building acts like a hollow cantilever; that plaza in DeWitt was built by Fazlur Khan who pioneered his “tubular design” in this city. In this city, Henry Moore erected a mushroom-cloud-shaped sculpture called *Nuclear Energy*, and Alexander Calder sculpted a red-colored stabile in this city called (*) *Flamingo*. Ludwig Mies van der Rohe’s “less is more” style inspired the design for a pair of minimalist, glass-and-steel apartment buildings located at this city’s Lake Shore Drive. The Millennium Park in this city is home to a bean-shaped sculpture by Anish Kapoor called *Cloud Gate*. The painting *Nighthawks* is located in the namesake Art Institute of, for 10 points, what city in Illinois?

ANSWER: **Chicago**, Illinois <Tegulla - Other Fine Arts>

7. In 1952, Théodore Monod led an expedition to this region citing the origin of a geologic dome nicknamed the “Eye of [This region].” It's not in Asia, but the deathstalker scorpion’s primary habitat is in this region home to the nocturnal fennec fox. The Great Western and the Great Eastern ergs are shifting areas located in this region, a “strip” in which was subject to the Toyota War. A *terra nullius* named the Bir Tawil [“beer tah-wheel”] edges the eastern portion of this region, the expansion of which is currently resisted by the construction of the (*) Great Green Wall. The sirocco winds originate in this desert, while the city of Marrakech [“mah-rah-kesh”] is often referred to as the “Gateway” of it. This desert is bordered to the south by the Sahel and names a “Western” territory whose control is being challenged by the POLISARIO front. For 10 points, name this North African desert, the largest in the world.

ANSWER: **Sahara** Desert [anti-prompt on Chad, Libya, Algeria, Egypt, Northeast Africa, Northwest Africa, and Morocco until “Desert” is stated, prompt on North Africa until “desert” is read] <Ganeshan - Geography>

8. A dye of this color which was used to create the background of the Standard of Ur was produced at the city of Shortugai by the Indus River Valley civilization. The city of Toulouse produced a dye of this color out of a plant that the Roman Empire produced to make clothes of this color, the woad plant. Nebuchadnezzar II used bricks of this color to build most of the Ishtar Gate. Though a faction named for this color was supported by Justinian I, it united with the (*) Greens against him in the Nika Riots. Ming dynasty pottery often featured white and this color. In ancient times, a dye of this color was made from lapis lazuli. For 10 points, name this color of the sky.

ANSWER: **blue** [accept specific shades] <Kher - Ancient/Other History>

9. This quantity within a lattice is dependent on an exponential compression factor that typically ranges between 5 and 12, according to the Born-Landé equation. This quantity stays constant as a fluid adiabatically moves through a porous substance in the Joule-Thomson effect. A Born-Haber cycle can be used to calculate the change in this quantity based on its individual values for formation and breaking of ionic compounds, because this quantity is a state function according to (*) Hess’s law. This quantity is equal to PV plus internal energy. It’s not Gibbs free energy, but the sign of the change in this quantity determines if a reaction is exothermic or endothermic, respectively. For 10 points, name this quantity, symbolized H , that represents the heat content of a system.

ANSWER: **enthalpy** [accept lattice **enthalpy** and **enthalpy** of formation; accept **lattice energy**; prompt on heat until mentioned] <Tegulla - Chemistry>

10. A soprano sings into one of these instruments in George Crumb's *Ancient Voices of Children*, producing its "amplified" variant. A piece written for this instrument by John Adams alternates between Lydian and Phrygian modes according to the circle of fifths and is entitled *Phrygian Gates*. David Tudor premiered a work for this instrument based on the *I Ching* by the same composer who used objects like screws and rubber bands to create this instrument's (*) "prepared" variety. That composer, John Cage, created another work that begins when the player of this instrument closes the lid and allows ambient sound to fill the room for the title *4'33"* ["four minutes and thirty three seconds"]. For 10 points, name this instrument that consists of 88 white and black keys.

ANSWER: piano [accept amplified piano; accept prepared piano] <Crowell, Morales - Auditory Fine Arts>

11. In order to make a giantess laugh, this figure ties his testicles to a goat's beard. According to one myth, earthquakes are caused by this deity thrashing under the earth due to the poison of a snake dripping onto his face. After losing one bet regarding the creation of certain tools such as a foldable ship and a hammer, this deity points out that he (*) never bet his neck in order to avoid being beheaded, which led to his mouth being sewn shut. In order to prevent a giant from finishing some walls, this deity turns into a mare and later gives birth to the horse Sleipnir. Thor and Odin's son will kill two of this Norse god's children named Jormungander and Fenrir. For 10 points, identify this Norse trickster god.

ANSWER: Loki <Gollamudi - Mythology>

12. In this city, a character attempts to sacrifice a lamb to receive God's message, but instead is struck with a stone by his grandson. Wash Williams attacks his mother-in-law with a chair after she sends his estranged wife to visit him in this city. A character living in this city believes that "everyone in the world is Christ and they are all crucified." Characters in this city include one who stuffs small balls of paper in his pockets and one who makes a hole in his office to see a teacher praying naked. "The Book of the Grotesque" takes place in this town, whose characters include Kate Swift and the dextrous (*) Wing Biddlebaum, the central character in the short story "Hands." After working for the *Eagle* newspaper, George Willard leaves this Midwestern town. For 10 points, name this Ohio town which titles a collection by Sherwood Anderson.

ANSWER: Winesburg, Ohio <Ganeshan - American Literature>

13. An eigenvalue shift in one type of these systems results from "annihilation" or "creation" caused by the ladder operators. The energy levels of one type of these systems are spaced out by integer-plus-one-half multiples of \hbar times ω . These systems may be modelled by truncating the McLaurin or Taylor series of the trigonometric functions, called a (*) small-angle approximation. These systems' Q-factor is equal to one half when these systems are critically damped. These systems are described as having a restoring force proportional to negative displacement, according to Hooke's law. For 10 points, name these systems that include springs and pendulums.

ANSWER: harmonic oscillator [accept quantum harmonic oscillators, simple harmonic oscillators, QHOs, SHOs; prompt on oscillator; anti-prompt on springs or pendulums] <Morales - Physics>

14. On the first night of this holiday, a pyre is lit to represent a demoness who attempted to kill her nephew due to the orders of her invincible brother. Another possible source of this holiday is the goddess Rati meditating for 40 days, leading to a destruction god reviving a deity associated with this holiday. The main event of this holiday occurs on a full moon during the month of Phalguna. Certain (*) mixtures important to this holiday are created with neem, kumkum, haldi, and bilva. During this holiday, one might find people filling water balloons and water guns with pigments and attempting to spray each other. For 10 points, identify this Hindu festival of love, spring, and color.

ANSWER: Holi [accept Festival of Colors before "color"] <Gollamudi - Religion>

15. A culture from this modern-day country created many depictions of sexual intercourse on its ceramic pottery. The archaeological site of Chan Chan was the capital of this country's Chimu Empire. Archaeologists identified this country's Norte Chico civilization as the earliest in the Americas. This country was home to a civilization that built the "Room of the Three Windows" in its Sacred Valley and the Moche culture. Artifacts from this country were brought to Yale in the early 1900s by (*) Hiram Bingham. A site in this country was probably built as an estate for Pachacuti and was built by a civilization with its capital at Cuzco. For 10 points, name this modern-day country where the Inca built Machu Picchu.

ANSWER: Peru <Kher - World History>

16. Perisinusoidal spaces within this organ contain certain stellate cells which store retinol and fat. A malfunction of this organ can be observed by the buildup of excess copper ions within the brain and eyes in Wilson's disease. The ornithine cycle takes place in this organ, in which ammonia is converted to urea for excretion. Tissue-bound macrophages within this organ called (*) Kupffer cells receive blood through the portal vein. This organ is the main site of gluconeogenesis via the Cori cycle. In a condition called cirrhosis, scar tissue builds up within this organ as a result of chronic alcoholism, and bile produced by this organ is sent to the gallbladder for storage. For 10 points, name this largest internal organ that detoxifies blood.

ANSWER: liver <Tegulla - Biology>

17. This movement's development in the U.K. greatly increased after showings by the Independent Group at an exhibition called "This is Tomorrow." One artist from this movement partnered with his wife Coosje van Bruggen ["COO-she van BREW-hen"] on soft sculpture depictions of mundane objects. Another artist from this movement of Claes Oldenburg bisected an Angora goat with a tire in *Monogram*, one of his many (*) "combines." The name of this movement, which includes Robert Rauschenberg, originates from a collage depicting a nude woman wearing a lampshade by Richard Hamilton entitled *Just what is it that makes today's homes so different, so appealing?* Valerie Solanas attempted to assassinate a member of this movement who mass-produced silkscreens of Marilyn Monroe and painted numerous depictions of Campbell's Soup Cans. For 10 points, name this 20th-century art movement of Andy Warhol.

ANSWER: Pop art <Crowell - Visual Fine Arts>

18. The territory named for this modern-day state was governed by the Democrat Alfred Cumming at the insistence of the U.S. Army. *Reynolds v. U.S.* was a landmark case from this state whose ruling held that religious duty did not defend against a criminal indictment. "Buchanan's Blunder" was the nickname of an 1857 "war" named for this state. John D. Lee and Isaac C. Height led an attack on members of the Baker-Fancher wagon train in this modern-day state in the (*) Mountain Meadows Massacre. The proposed massive state of Deseret was proposed by the settlers of this modern-day state. After a mob in Illinois killed Joseph Smith, Brigham Young led his followers to this state. For 10 points, name this territory that shares its name with the state home to a majority of members of the Mormon church.

ANSWER: Utah <Kher - American History>

19. One character in this play sings "Oh that the heart was warned" while playing on a guitar that he thinks is a mandolin. A character in this play who frequently yells while playing billiards composes an ode when he sees a hundred-year-old bookcase. A woman in this play rips up telegrams sent by her lover from Paris and is haunted by her son's drowning. Magic tricks including the disappearance of a shawl along with ventriloquism skills are performed by (*) Lady Charlotta in this play. Another character in this play refuses to propose to Varya, as he believes she is having an affair with the "eternal student," Trofimov ["trough-fee-mov"]. The final scene of this play features the elderly servant Firs dying as he is locked in a house while the sound of axes chopping trees is heard offstage. For 10 points, name this play in which Lopakhin ["low-ahf-keen"] purchases Madame Ranevsky's estate, written by Anton Chekhov.

ANSWER: *The Cherry Orchard* [or *Vishnevyi sad*] <Memon - European Literature>

20. This athlete often referred to Mike Vanderjagt [“van-der-YAHT”] as the “idiot kicker” after he accused their coach of being too mild-mannered. This athlete’s career is often contrasted with the Chargers quarterback drafted one pick after him who is regarded as the “greatest bust in NFL history;” that quarterback was Ryan Leaf. This athlete is seen advising Brad Paisley while he plays the guitar in a series of Nationwide ads titled (*) “The Jingle Sessions.” This athlete missed all of the 2011 NFL season after having to get multiple neck surgeries. Von Miller won the MVP title during this man’s final game, Super Bowl 50, in which he defeated the Carolina Panthers. For 10 points, name this former NFL quarterback who played for the Indianapolis Colts and Denver Broncos.

ANSWER: Peyton Manning [prompt on Manning alone; do NOT accept or prompt on “Eli Manning,” “Cooper Manning”] <Tegulla - Other>