

2022 KICKOFF Novice

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Packet 12N: "Here's your category stats ya gremlins. May your three buzzes on social science nourish your soul."

Tossups

1. **One work by this composer includes a 7/4 *Finale* that follows a solo bassoon *Berceuse*. In that work by this composer, a timpani roll introduces the "Infernal Dance," while another of his ballets begins with an "Adoration of the Earth" and features a (*) high bassoon solo. This composer of *The Firebird* wrote a ballet that caused a riot at its premier, due to its depiction of a pagan girl dancing herself to death. For 10 points, name this Russian composer of *The Rite of Spring*.**

ANSWER: Igor Stravinsky

<Qin, Auditory Fine Arts>

2. **The sum of this quantity around a closed loop equals zero, according to Kirchhoff's second law. For a parallel-plate capacitor, this quantity equals its electric field times plate separation. Power is equal to (*) current times this quantity. This quantity is equal to current times resistance, according to Ohm's Law. Batteries generate a difference in, for 10 points, what quantity, which is symbolized V?**

ANSWER: voltage [or electric potential or scalar potential; accept electromotive force or EMF; prompt on V; reject answers that contain "energy," such as "potential energy" or "electric potential energy"]

<Wu, Physics>

3. **In an essay entitled "Looking for [this woman]," Alice Walker imagines waking up in her hometown and placing a marker designating her "A Genius of the South." In a novel by this author, a blossoming pear tree is a symbol of sexual awakening. In her most well-known work, (*) Janie Crawford retells her life story to her friend Phoeby Watson after the death of her husband. For 10 points, name this Southern author of *Their Eyes Were Watching God*.**

ANSWER: Zora Neale Hurston [the essay is "Looking for Zora"]

<Hoffert, American Literature>

4. **This state's incumbent governor defeated Jay Gonzalez with 67% of the vote in 2018, after earlier succeeding Karyn Polito. Two planes of illegal immigrants were flown to this state by Florida governor Ron DeSantis. Barack Obama bought a waterfront home on this state's (*) island of Martha's Vineyard. This state's governor is housing Florida's migrants at Cape Cod. For 10 points, name this state, led by Charlie Baker from Boston.**

ANSWER: Commonwealth of Massachusetts

<Riley, Current Events>

5. This colony was aided by Manteo under the leadership of governor John White. The first English child born in the New World, Virginia Dare, was born in this colony. A tree in this colony was inscribed with the letters C-R-O, which may refer to an island home to the (*) Croatoan people. This site was the first English colonial effort in the continental United States. Sir Walter Raleigh established, for 10 points, what North Carolina “lost colony?”

ANSWER: Roanoke
<Riley, Other History>

6. This man asked “And was Jerusalem builded here / Among these dark Satanic mills?” in one poem. In another poem, this man tells a “little” animal “God bless thee” after asking “dost thou know who made thee?” This man divided his poems into the collections (*) *Songs of Innocence* and *Songs of Experience*. One poem by this author asks the title entity, “What immortal hand or eye / Dare frame thy fearful symmetry?” For 10 points, name this British poet of *The Lamb* and *The Tyger*.

ANSWER: William Blake
<Hoffert, British Literature>

7. The Busy Beaver function is computed using a construct named for this man. The halting problem is undecidable on a class of “machines” named for this man, which consists of an infinite tape of symbols. The imitation game developed by this man is typically framed in terms of a (*) human trying to determine whether he is speaking to a computer. For 10 points, name this “father of computer science,” who names a “test” for AI.

ANSWER: Alan Mathison Turing [accept Turing machine or Turing test]
<Wu, Computer Science>

8. One saint associated with this holiday slapped the heretic Arius in the face at the First Council of Nicaea. This day takes place twelve days before the Epiphany and one day after the end of Advent. This day begins with a (*) Midnight Mass and celebrants singing “carols,” such as “Silent Night.” For 10 points, name this holiday, during which Santa Claus brings children gifts, celebrated on December 25th.

ANSWER: Christmas [or Christmas Carols]
<Palavajhala, Religion>

9. A part-Pakistani character on this show initially died by being crushed under her sister Kamilah’s statue. Mindy St. Clair inhabits a “medium” location in this show that is later joined by Derek, a boyfriend Janet creates. In this show’s first season, the dim-witted Jason (*) Mendoza pretends to be a monk while working with Chidi and Eleanor to uncover why they are in an idyllic afterlife, despite the less than stellar lives they led. For 10 points, name this NBC show, whose title location is contrasted with the Bad Place.

ANSWER: *The Good Place*
<Maharjan, Pop Culture>

10. This empire’s “Great Interregnum” ended with the ascension of the House of Luxembourg. Local leaders of this empire met in the Imperial Diet. Within this empire, France rivaled the Hapsburgs for influence with its (*) electors. This empire was ruled by Spanish kings in the 1500s after the election of Charles V. For 10 points, name this fragmented Central European empire, which ruled much of medieval Germany.

ANSWER: Holy Roman Empire [accept HRE]
<Riley, European History>

11. A planar ring is aromatic if it has 2 plus a multiple of this number of pi electrons, according to Hückel's rule. White phosphorus molecules have this many atoms each. This is the oxidation state of carbon in carbon dioxide. The central atom has this many bonds in a molecule with (*) seesaw geometry and tetrahedral geometry. This is the number of electrons in a double bond. For 10 points, name this number of hydrogens in methane and the atomic number of beryllium.

ANSWER: **four** [accept +4]

<Wu, Chemistry>

12. This country's national dish is a notoriously pungent shark meat food, called *hakarl*. This country has the world's oldest parliament, the Althing. Tourists to this country's Golden Circle can see the geysers Strokkur and Geysir and the waterfall Gullfoss. This European country has the (*) northernmost capital city in the world and, along with Greenland, was misleadingly named by the Vikings that first inhabited it. For 10 points, name this island country, whose capital is Reykjavik.

ANSWER: Republic of **Iceland** [or Lydhveldidh **Island**]

<Sareddy, Geography>

13. In Chinese mythology, the founder of the Xia Dynasty, Yu the Great, survived one of these events. In the *Epic of Gilgamesh*, Gilgamesh visits Utnapishtim, the survivor of one of these events. (*) Pyrrha and Deucalion repopulated the earth after a Greek one of these events. For 10 points, name these archetypal natural disasters in mythology, one of which was survived by Noah after he built an Ark.

ANSWER: Great **Flood**

<Palavajjhala, Mythology>

14. This country's northernmost major island is home to the native Ainu people and the winter resort city of Sapporo. The southernmost of the prefectures dividing this country is named after the Ryukyu Archipelago. This country's city of (*) Yokohama is located in the world's most populous metro area, which is on its largest island, Honshu. The islands of Hokkaido and Okinawa are controlled by, for 10 points, what country, which is governed from Tokyo?

ANSWER: **Japan** [accept **Nihon**-koku; or **Nippon**-koku]

<Mundhe, Geography>

15. Webster Thayer presided over a trial of members of this ethnicity, whose execution for the murders of two men in Braintree precipitated the Wall Street Bombing. A longtime mayor of this ethnicity names an airport in (*) New York City, which he led in the 1930s. Sacco and Vanzetti were anarchists of this ethnicity. For 10 points, name this ethnicity of Luigi Galleani, whose followers were supported by Benito Mussolini.

ANSWER: **Italian**-Americans

<Riley, American History>

16. At the 1904 Summer Olympics, this event was won by Thomas Hicks, who was given brandy mixed with rat poison during it. The company Ineos sponsored a race where an athlete from Kenya who competes in this event, Eliud Kipchoge, unofficially broke the two (*) hour barrier for completing it. Boston hosts a race of this type, which was the site of a 2013 bombing. An ancient battle is the namesake of, for 10 points, what long-distance race that lasts 26.2 miles?

ANSWER: **marathon** [or the Boston **Marathon**; or the Battle of **Marathon**]

<Mundhe, Pop Culture>

17. A 1909 plan for this city was named for Daniel Burnham, who also named an architecture firm with John Root based in this city. Mies van der Rohe designed a set of apartments for the Lake Shore Drive in this city. The 1893 world's fair in this city saw the construction of its (*) Art Institute. This city's "Loop" area is the home of the Willis Tower. For 10 points, name this most populous city in Illinois.

ANSWER: **Chicago**, Illinois

<Qin, Other Fine Arts>

18. This clan forced its nobles to send hostages to live in its capital in the "alternate attendance" system. This clan defeated Ishida Mitsunari, who led the Toyotomi clan at Sekigahara. This clan adopted *sakoku* until the arrival of the "black ships" of (*) Matthew Perry. This shogunate was overthrown during the Meiji Restoration. For 10 points, name these isolationist rulers of the Edo period in Japan.

ANSWER: **Tokugawa** Shogunate

<Riley, World History>

19. A peroxidase in this organ is targeted by antibodies in Hashimoto's disease, and a receptor in this organ is targeted in Graves' disease. This organ secretes the hormones T3 and T4. Parafollicular cells in this organ secrete (*) calcitonin, which is opposed by PTH. This gland enlarges to form a goiter, which is caused by iodine deficiency. For 10 points, name this butterfly-shaped gland in the neck.

ANSWER: **thyroid**

<Wu, Biology>

20. After being told a lie about a bridge in this location, two travelers are carried across a gap by an embodiment of fraud. In the beginning of a text named for this place, its entrance is blocked by a leopard, a lion, and a she-wolf. The gate to a city in this place is marked with the words (*) "Abandon all hope, ye who enter here." For 10 points, name this realm, through which Dante is guided by Virgil in the first part of the *Divine Comedy*, the final destination for damned souls.

ANSWER: the **Inferno** [accept **hell**]

<Hoffert, European Literature>

Bonuses

1. This author wrote about the title talking cat, which angers guests at a dinner party by spreading overheard gossip, in his short story “Tobermory.” For 10 points each:

[H] Name this author, who ends his short story “The Open Window” with the line “romance at short notice was her specialty.”

ANSWER: Saki [or Hector Hugh Munro]

[M] Saki’s “The Interlopers” follows two characters with this profession. A character with this profession is the protagonist of “The Most Dangerous Game.”

ANSWER: hunters

[E] An introduction to Saki’s *The Chronicles of Clovis* was written by A. A. Milne, who created this fictional bear. This resident of the Hundred Acre Wood is friends with characters such as Eeyore and Tigger, and loves honey.

ANSWER: Winnie-the-Pooh

<Ganguli, British Literature>

2. During one event in this city, Laocoon and his sons were strangled by sea serpents. For 10 points each:

[E] Name this city, which names a war fought over Helen. That war named for this city ended after the Greeks hid in a wooden horse and invaded at night.

ANSWER: Troy [accept Trojan War]

[H] The Trojan War resulted from the Judgment of Paris, which took place at the wedding between these two figures. These two figures are the parents of the leader of the Myrmidons.

ANSWER: Peleus and Thetis

[M] This hero was the aforementioned son of Peleus and Thetis. In the *Iliad*, he takes revenge on Hector for killing his best friend, Patroclus.

ANSWER: Achilles

<Palavajhala, Mythology>

3. Douglas Hyde and Patrick Pearse were members of a League founded in 1893 to promote a language known by this term. For 10 points each:

[H] Name this cultural term, which underwent a “revival” in the late 1800s that opposed English influence in Ireland. This term refers to Irish and Scottish culture before English invasions.

ANSWER: Gaelic [accept Gaeilge; or the Gaelic Revival; prompt on Irish or Celtic]

[E] The Gaelic League was centered on this city, which became the capital of Ireland.

ANSWER: Dublin

[M] Celtic culture spread as far as this country after the ancient Galatians settled down. This country warred with Greece after World War I under its leader, Mustafa Kemal Ataturk.

ANSWER: Republic of Turkey [or Turkiye Cumhuriyeti]

<Riley, European History>

4. One form of this activity, known as the *haka*, is performed by a team known as the All Blacks. For 10 points each:

[M] Name this activity, often performed as a ritual to the gods in Polynesian cultures. The *hula*, often performed at luau feasts, is a form of this activity.

ANSWER: ritual **dance**

[E] The *hula* is often considered an official dance of this US state in the Pacific Ocean. This archipelagic state has its capital at Honolulu.

ANSWER: **Hawai'i**

[H] The All Blacks are the national rugby team of this Polynesian country. This country is known by its native people as Aotearoa.

ANSWER: Dominion of **New Zealand** [or **Aotearoa** until it is read]

<Sareddy, Geography>

5. Cancers of this organ can grow into its surrounding tissue, called Gerota's fascia, and are treated with nephrectomy. For 10 points each:

[M] Name these paired organs in the abdomen, which filter the blood and excrete nitrogenous waste.

ANSWER: **kidneys**

[E] The kidneys are responsible for secreting this liquid, which contains urea. This fluid is stored in the bladder.

ANSWER: **urine** [accept **pee** or equivalents]

[H] Within the kidney are several thousand of these functional units, which begin at the glomerulus and Bowman's capsule and end at the collecting duct. The loop of Henle is found in these functional units.

ANSWER: **nephron**

<Wu, Biology>

6. Recently, 570,000 liters of fuel were stolen from the World Food Program by authorities in this region, where approximately 5.2 million people suffer from severe hunger. For 10 points each:

[H] Name this region, where hostilities between the TPLF and the government of Abiy Ahemed resumed after a 5 month long ceasefire in August 2022.

ANSWER: **Tigray** [or **Tegray**; or **Tigrai**; or **Tigre**]

[E] Tigray is a region in this country, whose capital is Addis Ababa.

ANSWER: **Ethiopia** [or **It'iyop'iva**; or Federal Democratic Republic of **Ethiopia**; or **YeEtiyop'iva**]

[M] Peace talks in Tigray led by this organization have proved to be unsuccessful. Addis Ababa is home to the headquarters of this 55 member organization, which was formed by the Sirte Declaration.

ANSWER: **African Union**

<Zhang, Current Events>

7. Name some things about a musical composition titled after the best month of the year. For 10 points each:

[E] *November Steps* is a composition by Toru Takemitsu, a composer from this country. This country is home to the NHK Symphony Orchestra in Tokyo.

ANSWER: **Japan** [or **Nihon**-hoku; or **Nippon**-hoku]

[H] Toru Takemitsu's *November Steps* quotes *Jeux*, a ballet by this composer. Takemitsu repeatedly quotes from this composer's *La Mer* in *Quotation of a Dream*.

ANSWER: Claude **Debussy** [or Achille-Claude **Debussy**]

[M] *November Steps* was written for the 125th year anniversary of one orchestra in this city. This city is also the home of Carnegie Hall.

ANSWER: **New York** City [or the **New York** Philharmonic]

<Qin, Auditory Fine Arts>

8. On this island, the Telaga Batu Inscription helpfully informed nobles that if they were disloyal, they would be struck dead by a magic spell. For 10 points each:

[H] Name this Southeast Asian island, which was once ruled by the Srivijayan Empire.

ANSWER: **Sumatra**

[E] Srivijaya's capital was sacked in the 11th century by the Chola dynasty, which followed this religion. Srivijaya was named based on this religion's sacred language of Sanskrit.

ANSWER: **Hinduism**

[M] Rajendra Chola also defeated this island's kingdom of Anuradhapura. Arab merchants monopolized this island's city of Colombo to trade with its Sinhalese kingdoms.

ANSWER: **Sri Lanka** [or **Ceylon**; or the Democratic Socialist Republic of **Sri Lanka**; or Ilangai Jananayaka Socialisa **Kudiarasu**; or **Sri Lanka** Prajatantrika Samajavadi Janarajaya]

<Riley, World History>

9. A table named for this property can be used to demonstrate if a proposition has it, or its opposite. For 10 points each:

[E] Name this property. A proposition has this property if its negation is false.

ANSWER: **true** [accept **truth**]

[M] This boolean operation only returns true if both of its input values are true. This operation is often contrasted with boolean OR.

ANSWER: **AND**

[H] While the converse and inverse of a true statement are not necessarily true, a statement with this relationship to it must be. For a statement p implies q, the statement not q implies not p has this relationship to it.

ANSWER: **contrapositive**

<Maharjan, Math>

10. One character in a play by this author claims that it has been scientifically proven that women have smaller brains than men. For 10 points each:

[H] Name this playwright of *The Lion and the Jewel*, who also wrote about Elesin Oba's preparations in *Death and the King's Horseman*.

ANSWER: Wole **Soyinka** [or Akinwande Oluwole Babatunde **Soyinka**]

[M] *Death and the King's Horseman* relates Elesin's attempts to perform this action. Okonkwo performs this action at the end of *Things Fall Apart*.

ANSWER: **suicide** [accept synonyms]

[E] Kongi symbolizes Kwame Nkrumah, who was the president of this African country. *Kongi's Harvest* was produced in this country's capital of Accra.

ANSWER: **Ghana**

<Ganguli, World Literature>

11. One ready-made sculpture by this artist is a urinal inscribed with the name “R. Mutt.” For 10 points each:
[M] Name this French artist of *Fountain*, whose *Nude Descending A Staircase, No.2* was denigrated as “an explosion in a shingle factory.”

ANSWER: Marcel **Duchamp** [or Henri-Robert-Marcel **Duchamp**]

[E] Duchamp added a mustache and beard to this painting in his *L.H.O.O.Q.* This Leonardo da Vinci painting depicts an enigmatically smiling woman.

ANSWER: **Mona Lisa** [or *La Gioconda*; or *La Joconde*; or *Portrait of Lisa Gherardini, wife of Francesco del Giocondo*]

[H] Duchamp used this female alter ego, who partially titles a readymade asking “Why Not Sneeze?” Duchamp cross-dressed as this person in a series of photographs by Man Ray.

ANSWER: Rose **Sélavy** [or **Rose** Selavy]

<Ganguli, Visual Arts>

12. Five people led by Zak Stoltz created most of the visual effects for this movie. For 10 points each:

[M] Name this 2022 film, whose protagonist, Evelyn, is played by Michelle Yeoh. A recurring black circle motif represents a bagel that this film’s villain, Jobu Tupaki, uses as a symbol.

ANSWER: ***Everything, Everywhere, All At Once***

[E] The existence of this concept, in which many universes exist, is central to *Everything, Everywhere, All At Once*. Dr. Strange titles a movie subtitled “[this concept] of madness.”

ANSWER: **multiverse** [or *Dr. Strange in the Multiverse of Madness*]

[H] An “Alpha” version of this character first reveals the existence of the multiverse to Evelyn. Ke Huy Quan plays this character, who is going through a divorce with Evelyn in the universe where this movie begins.

ANSWER: **Waymond** Wang [or Alpha **Waymond**; prompt on **Wang** along]

<Mundhe, Pop Culture>

13. This man’s relinquishment of power was compared to that of Cincinnatus, who stepped down as dictator of Rome to go run his farm. For 10 points each:

[E] Name this first President of the U. S., who warned of the dangers of political parties and foreign entanglements in his farewell address.

ANSWER: George **Washington**

[M] This Chief of Artillery founded the Society of the Cincinnati to preserve the ideals of the American Revolution. A near-impregnable “Fort” named for this man is often conflated with the Bullion Depository, which holds American gold reserves.

ANSWER: Henry **Knox** [or Fort **Knox**]

[H] A president of the Society of the Cincinnati, Arthur St. Clair, presided over the issuing of an “Ordinance” named for this adjective relative to the original 13 colonies. A fur-trading company named for this adjective competed with the Hudson’s Bay Company until the latter got fed up and bought it.

ANSWER: **Northwest** [or the **Northwest** Ordinance; or the **North West** Company]

<Riley, American History>

14. One member of this group died after using the drug Kick to defeat Quentin Quire. For 10 points each:

[H] Name this group of cloned telepaths, whose ranks include Sophie, Irma, Esme, and Phoebe.

ANSWER: **Stepford Cuckoos**

[M] The Stepford Cuckoos are clones of this telepath, who can turn her skin to diamond. She was formerly the White Queen of the Hellfire Club.

ANSWER: Emma **Frost** [or **Emma** Frost]

[E] Emma Frost has an affair with, and later starts a relationship with, Scott Summers, the field leader of this heroic mutant team founded by Charles Xavier.

ANSWER: **X-Men**

<Mukherjee, Pop Culture>

15. Max Planck added a correction to the Rayleigh-Jeans Law, which describes the spectral emission of these objects. For 10 points each:

[H] Name these objects, which perfectly absorb all wavelengths of light.

ANSWER: **blackbody**

[E] Wien's displacement law describes the relationship between this quantity and wavelength for a blackbody radiation curve. This quantity can be measured by a thermometer.

ANSWER: **temperature**

[M] According to Wien's displacement law, temperature and peak wavelength have this relationship. For a light wave, frequency and wavelength have this relationship to each other.

ANSWER: **inverse** [or **inversely proportional** or **reciprocal**; accept descriptions, such as they **multiply to a constant**]

<Wu, Physics>

16. This civilization's site of Akrotiri was destroyed in the Thera eruption. For 10 points each:

[H] Name this seafaring civilization, who were opposed by the Mycenaeans to their north.

ANSWER: **Minoans** [or **Minoan** Civilization]

[M] The Minoans were based on this island, where Arthur Evans excavated Knossos.

ANSWER: **Crete** [or **Candia**; or **Creta**; or **Kirid**; or **Kriti**; or **Krete**]

[E] The Minoans invented Kamares ware, a type of these objects later Greeks painted in "red-figure" and "black-figure" styles. These objects are made from ceramics.

ANSWER: **pottery** [or **vases**; or obvious equivalents]

<Riley, Ancient History>

17. One of these statements asks "what is the sound of one hand clapping?" For 10 points each:

[H] Name these short statements, which are meant to aid meditation in one Buddhist sect.

ANSWER: **koans**

[E] Koans are used in this sect of Buddhism founded by Bodhidharma, which emphasizes meditation. This sect names a type of "garden," which contains rocks and sand with few plants and no water.

ANSWER: **Zen** Buddhism [accept **zen** garden; accept **Chan** Buddhism]

[M] Zen is a sect of this "Greater Vehicle" branch of Buddhism, which is contrasted with the "Lesser Vehicle," Theravada.

ANSWER: **Mahayana** Buddhism

<Palavajjhala, Religion>

18. One character in this novel is overwhelmed after observing a huge mass of rotting bodies in a supermarket storeroom. For 10 points each:

[H] Name this novel, in which the doctor's wife is never afflicted by the title "white sickness."

ANSWER: **Blindness** [or **Essay on Blindness**; or **Ensaio sobre a cegueira**]

[M] *Blindness* is by this Portuguese author, who died in 2010. This 1998 Nobel Prize winning author also wrote *The Stone Raft*.

ANSWER: Jose **Saramago**

[E] Another novel by Saramago retells the New Testament from the perspective of this figure in *The Gospel According to* [this figure]. This figure from Nazareth is the "Son of God" and is crucified on the True Cross.

ANSWER: **Jesus Christ** [accept either underlined portion; or *The Gospel According to Jesus Christ*; or *O Evangelho Segundo Jesus Cristo*]

<Ganguli, European Literature>

19. A student of this man proposed giving up speech for finger wagging in a dialogue titled *Cratylus*. For 10 points each:

[H] Name this ancient Greek philosopher, who believed the world was constantly in flux and made of fire. This "weeping philosopher" claimed that one cannot step in the same river twice.

ANSWER: **Heraclitus**

[M] Diogenes Laerteus contrasts Heraclitus with Democritus, the formulator of a theory of these indivisible objects.

ANSWER: **atoms** [or **atomism**]

[E] Heraclitus and Democritus were early Greek philosophers denoted for being "pre-" this philosopher. This teacher of Plato featured in many dialogues, such as the *Apology*.

ANSWER: **Socrates** [or pre-**Socratic**]

<Palavajhala, Philosophy>

20. The Hammett function replaces this quantity when the molecule in question is more acidic than sulfuric acid. For 10 points each:

[M] Name this quantity, the most common measure of acidity. This quantity is equal to the negative log of the hydrogen ion concentration.

ANSWER: **pH** [or **power of hydrogen**]

[H] This equation, which gives the pH of a buffer system, equals the pKa of the buffer component, plus the log of a conjugate pair.

ANSWER: **Hendersen-Hasselbalch** equation

[E] These compounds have a pH above 7. These compounds are the opposite of acids.

ANSWER: **bases**

<Wu, Chemistry>