

2022 KICKOFF Novice

Edited by Jacob O'Rourke, Eric Mukherjee, Jason Qin, Owen Riley, Vishal Sareddy, Geoffrey Wu, and Nathan Zhang.

Written by the editors. Alan Xie, Allie Hoffert, Anna Brusilovsky, Aum Mundhe, Chloey Ramsey, Ethan Ashbrook, Lalit Maharjan, Leela Mehta-Harwitz, Sam Wang, Samir Sarma, Shiva Tegulla, Shourjo Ganguli, Sophia Weed, and Tegan Kapadia.

Packet 9N: "Which turned me into a newt! (I got better)"

Tossups

1. Like naphthalene and CO₂, this element undergoes sublimation at room temperature. This element's silver salt is the most common non-water molecule used to induce nucleation during cloud seeding. In a popular clock reaction, this element reacts with a (*) starch-containing solution to form a deep blue complex. This is the heaviest element that is diatomic at standard temperature and pressure. For 10 points, name this heaviest halogen, with chemical symbol I.

ANSWER: iodine [prompt on I until it is read]

<Wu, Chemistry>

2. One poem by this author repeats the line "He did a lazy sway" before describing "ebony hands on each ivory key." The speaker of another poem by this author states "They send me to eat in the kitchen" and "I am the darker brother." In a poem titled for a neighborhood, this author poses questions like "What happens to a dream deferred?" and (*) "Does it dry up like a raisin in the sun?" "The Weary Blues" was written by, for 10 points, what Harlem Renaissance poet?

ANSWER: Langston Hughes

<Wang, American Literature>

3. One non-Chinese work titled for this subject argues that each virtue is the average of two extremes in its "doctrine of the mean." "Of Human Bondage" is a section of a work written in "geometric order" by Baruch Spinoza on this subject. (*) Nicomachus names one of two works by Aristotle on this subject. For 10 points, name this branch of philosophy, which studies right and wrong.

ANSWER: Ethics [accept *Nicomachean Ethics*]

<Palavajjhala, Philosophy>

4. In this city, sailors fought groups of Mexican-Americans in the Zoot Suit Riots. In this city, Marquette Frye was hit with a baton in the Watts neighborhood. Korean-owned businesses were targeted during riots in this city, despite a man pleading (*) "can't we all just get along?" In this city, four police officers were filmed beating Rodney King. For 10 points, name this city in Southern California, the second-largest in the United States.

ANSWER: Los Angeles [accept LA]

<Riley, American History>

5. In this country, a festival in which people throw tomatoes at each other takes place annually in Buñol. A town in this country uses a giant ball to chase people in an animal-friendly variant of the "running of the bulls" that originated in its city of (*) Pamplona. Paella is often consumed at festivals in this country, where toreadors practice its native style of bullfighting. For 10 points, name this country, home to Valencia and Madrid.

ANSWER: Kingdom of Spain [or Reino de España]

<Sareddy, Geography>

6. Jean-Jacques Rousseau arranged this work for solo flute, and its last movement utilizes pizzicato strings to depict rain. This work is performed alongside sonnet texts, such as “the drunkards have fallen asleep.” This work includes a viola playing “always forte” to depict a barking dog. This work was included in the composer’s (*) *Contest Between Invention and Harmony*. For 10 points, name this set of four violin concertos, composed by Antonio Vivaldi.

ANSWER: The *Four Seasons* [accept *Le quattro stagioni*; prompt on *Contest Between Harmony and Invention* before it is read; prompt on Spring; prompt on Summer; prompt on Autumn; prompt on Winter]
<Qin, Auditory Fine Arts>

7. In inversion, points are inverted about one of these shapes. Archimedes inscribed and circumscribed these shapes around regular polygons to approximate a constant. Line segments inside these shapes are called (*) secants. This shape consists of the set of points that are a fixed distance from a given point. For 10 points, name this round shape, whose diameter equals its circumference divided by pi.

ANSWER: circle
<Wu, Math>

8. This show’s episode “The Boredom” features its two main leads walking around Elmore looking for adventure. Penny begins as a peanut with antlers on this show, but later transforms into a yellow shape-shifting fairy. The (*) Waterson family are the main characters of this cartoon, whose other characters appear in wildly different animation styles. For 10 points, name this Cartoon Network show about a blue cat and his goldfish friend, Darwin.

ANSWER: The *Amazing World of Gumball*
<Maharjan, Pop Culture>

9. One meal consumed during this holiday begins with eating a date and is called iftar. During this period, the beginning of the day is defined as the moment at which a human eye can tell the difference between black and white threads. The (*) Night of Power during this period celebrates the Quran first being revealed to Muhammad by Jibril. For 10 points, name this ninth month of the Islamic calendar, during which Muslims fast from dawn to dusk.

ANSWER: Ramadan
<Palavajjhala, Religion>

10. In this modern-day country, the seventh of an ancient city’s nine layers shows scorch marks consistent with a foreign siege. The neolithic cities of Catalhoyuk and Gobekli Tepe are located in this country, where Heinrich Schliemann excavated the site of ancient (*) Troy. This country was home to the capital of the Eastern Roman Empire. For 10 points, name this modern-day country once called “Asia Minor,” where the Hittites complained about people from Constantinople.

ANSWER: Turkey [or the Republic of Turkey; or Turkiye Cumhuriyeti]
<Riley, Other History>

11. **This man sculpted the *Rebellious Slave* and the *Dying Slave* for his design for the tomb of Pope Julius II, for which he also sculpted a horned Moses. This man depicted an unusually young and triangular Mary holding the dead body of Jesus in his only signed sculpture, (*) *Pietà*.** In a marble sculpture by this man, the title figure holds a slingshot used to kill Goliath. For 10 points, name this sculptor of a marble *David*, who also painted the ceiling of the Sistine Chapel.

ANSWER: Michelangelo [accept Michelangelo di Lodovico Buonarroti Simoni]

<Mundhe, Visual Fine Arts>

12. **Compounds of this element serve as the proton donor, instead of water, in a type of purple bacteria. The enzyme PDI in the ER oxidizes this element to form “bridges” between cysteine residues in proteins. Thiols contain this element, which is located beneath (*) oxygen on the periodic table.** Compounds of this element are responsible for the smell of rotten eggs. For 10 points, name this element, with atomic number 16.

ANSWER: sulfur [accept purple sulfur bacteria; accept disulfide bridges]

<Wu, Biology>

13. **A poem with this title ends by asking “What powerful but unrecorded race once dwelt in that annihilated place,” and was written by Horace Smith. The speaker of another poem with this title sees the “wrinkled lip, and sneer of cold command” of a figure. That poem describes “a (*) traveller from an antique land,” as well as a statue that says “look on my works, ye mighty, and despair.”** For 10 points, name this poem about the title “king of kings,” by Percy Bysshe Shelley.

ANSWER: Ozymandias

<Ganguli, British Literature>

14. **In a Euripides play, the king Pentheus was torn apart by a group of this god’s devotees, called Maenads. In another myth, this god gives King Midas the golden touch after he shows hospitality to a drunk Silenus. Zeus sews this god into his thigh after this god’s mother (*) Semele dies viewing Zeus in his full form.** This god gained control over one domain after his lover Ampelos turned into a grapevine. For 10 points, name this Greek god of wine and revelry.

ANSWER: Dionysus

<Palavajhala, Mythology>

15. **These people promulgated the Twelve Articles under the leadership of Thomas Muntzer. Martin Luther compared these people to “mad dogs” in a tract titled “Against the Thieving, Murderous Hordes of [these people].” These people carried out a 1525 (*) revolt in Germany, and were likened to the working-class proletariat in an analysis by Friedrich Engels.** For 10 points, name this lower class of people in Medieval society.

ANSWER: German Peasants [accept serfs]

<Riley, European History>

16. **After a loss to the Miami Heat in the 2012 playoffs, one player from this NBA team injured his hand by punching a fire extinguisher. Wilt Chamberlain reportedly scored 100 points against this team in 1962. This team has been accused of rigging the 1985 NBA draft in order to draft center (*) Patrick Ewing.** In July 2020, this team hired Tom Thibideau as head coach. This team drafted RJ Barrett in 2019 and plays at Madison Square Garden. For 10 points, name this NBA team from New York, which has a rivalry with the Brooklyn Nets.

ANSWER: New York Knicks [accept New York Knicks until “New York” is read]

<Ganguli, Pop Culture>

17. **A black hole can be characterized by charge, angular momentum, and this quantity, according to the no-hair theorem. The Chandrasekhar limit gives the maximum value of this quantity for a white dwarf. For two objects, the force of (*) gravity is proportional to the product of this quantity for each object. Albert Einstein stated that energy equals this quantity times the speed of light, squared. For 10 points, name this quantity measured in kilograms.**

ANSWER: **mass** [prompt on m]

<Wu, Physics>

18. **One politician from this state sparked controversy by describing 9/11 as “some people who did something.” One man from this state was prosecuted by Matthew Frank. This state’s governor, Tim Walz, declared 8 minutes and (*) 46 seconds of silence on Blackout Tuesday. In this state, Derek Chauvin knelt on a man who repeatedly exclaimed “I can’t breathe” until he asphyxiated. For 10 points, name this state, where George Floyd died in Minneapolis.**

ANSWER: **Minnesota**

<Riley, Current Events>

19. **In one poem by this poet, the speaker states how at “this hour, this night, my feelings go hard.” In another poem by this poet, the speaker describes moonlight before his bed as “frost on the ground.” In that poem by this poet, the speaker lifts his head to look at the (*) moon and lowers it to think of his homeland. This poet had several works translated by Ezra Pound, and was a contemporary of Du Fu. For 10 points, name this Tang Dynasty poet of “Quiet Night Thoughts.”**

ANSWER: **Li** Bai [or **Li** Po]

<Ganguli, World Literature>

20. **Frederick Hodgson’s attempt to acquire an object made from this substance sparked a war with Queen Yaa Asantewaa. That object is this substance’s “stool.” The price of this substance in Mamluk Egypt deflated after Mansa Musa’s hajj. The trade of (*) salt and this substance in the trans-Saharan trade made West African empires, like Mali, prosperous. For 10 points, name this valuable metal, which sparked many “rushes” throughout history.**

ANSWER: **gold** [accept **Golden** Stool before “stool” is read; or **gold** rushes]

<Riley, World History>

Bonuses

1. Answer some questions about the flame test. For 10 points each:

[M] The flame test commonly uses this apparatus to provide a flame. This apparatus, named for a German chemist, is also used to sterilize loops in microbiology.

ANSWER: **Bunsen** burner

[E] This element's halides produce a green or blue-green flame. This metal is commonly used in wires because of its low cost and high conductivity.

ANSWER: **copper** [or **Cu**]

[H] This alkali metal produces a bright-yellow flame. This element's hydroxide forms a strong base called lye.

ANSWER: **sodium** [or **Na**]

<Wu, Chemistry>

2. After losing one conflict, the name of this tribe was banned and they were forced to assimilate into the Narragansett and Mohegan tribes. For 10 points each:

[H] Name this tribe, which fought the Massachusetts Bay Colony in a namesake 1630s war.

ANSWER: **Pequot**

[E] Pequots killed John Stone on this state's namesake river, helping spark the war. The treaty that ended the war, which banned the Pequot language, was signed in this state's capital of Hartford.

ANSWER: **Connecticut** [or the **Connecticut** River]

[M] Before the English arrived in Connecticut, the Pequot primarily traded with merchants from this country, which sold New York to the British for not enough guilders.

ANSWER: Kingdom of The **Netherlands** [or **Holland**; Koninkrijk der **Nederlanden**]

<Mundhe, American History>

3. This character shoots an old woman three times after she touches his shoulder and calls him "one of [her] own children." For 10 points each:

[H] Name this character, who claims "Jesus thrown everything off balance" while he and his partners Hiram and Bobby Lee murder a family.

ANSWER: The **Misfit**

[M] The Misfit kills the grandmother, while his associates kill the rest of Bailey's family, in this Flannery O'Connor short story.

ANSWER: "A **Good Man Is Hard to Find**"

[E] In "A Good Man Is Hard to Find," Bailey's family dies while traveling to Florida from this state's city of Atlanta.

ANSWER: **Georgia** <Sareddy, American Literature>

4. This color names a Mayan "royal road," called the *sacbe*. For 10 points each:

[H] Name this color, which names a Northeast mountain range with terrible weather, which contains the Presidential Range.

ANSWER: **white**

[E] The White Mountains are located in this state bordering Vermont, which has its capital at Concord.

ANSWER: **New Hampshire** [or **NH**]

[M] Concord lies on the Merrimack River, which runs through a more populous city of this name. This is the name of a populous English city, whose "City" soccer team is owned by the Emirati Sheikh Mansour.

ANSWER: **Manchester** [or **Manchester** City FC; or **Manchester** City Football Club]

<Riley, Geography>

5. One goddess of this concept was driven mad by bloodlust after killing the demon Daruka. For 10 points each:

[E] Name this concept, which Kali is a goddess of. Another god of this concept, named Yama, presides over Naraka, or Hell.

ANSWER: **Death**

[H] Yama is the father of Yudhisthira, the eldest of these figures, who are all married to Draupadi. These five brothers, who fight the Kauravas, go into exile after losing a game of dice.

ANSWER: **Pandavas**

[M] The Kauravas and Pandavas fight at the Battle of Kurukshetra in this ancient Indian epic, which contains the *Bhagavad Gita*.

ANSWER: **Mahabharata**

<Ganguli, Mythology>

6. This man was revealed to have lied under oath after his lawyer, Andino Reynal, accidentally sent a copy of his cell phone to the opposing counsel, Mark Bankston. For 10 points each:

[M] Name this man, who was recently ordered to pay \$45.2 million in damages after losing defamation suits against the parents of Sandy Hook shooting victims.

ANSWER: Alex **Jones**

[H] Alex Jones lost the Sandy Hook defamation suits by default judgments after failing to comply with this pre-trial procedure, in which both parties obtain evidence from one another.

ANSWER: **discovery**

[E] Jones was accused of hiding assets after suits were filed by transferring funds to shell companies and then filing to undergo this process. Corporations that cannot repay their debts undergo reorganization in the Chapter 11 form of this process.

ANSWER: **bankruptcy**

<Zhang, Current Events>

7. This man photographed a “moonrise” above Hernandez, New Mexico illuminating the crosses in a cemetery. For 10 points each:

[H] Name this photographer, a member of the group f-stop-64. With Fred Archer, this photographer formulated the Zone System to determine the correct exposure to use in any lighting condition.

ANSWER: Ansel **Adams**

[E] In his “Mural Project,” Ansel Adams was commissioned to take pictures of these federally protected natural areas. Adams photographed Half Dome and El Capitan in Yosemite, another one of these places.

ANSWER: **national parks** [prompt on parks]

[M] Like Adams, this photographer took many photos of the Manzanar internment camp. This photographer is most famous for featuring Florence Owens Thompson in *Migrant Mother*.

ANSWER: Dorothea **Lange**

<Mundhe, Other Fine Arts>

8. This duo parted ways in 2021 because one of its members didn't "want to make movies anymore," according to Carter Burwell. For 10 points each:

[H] Name this duo of brothers who co-directed *Fargo*, *True Grit*, and *No Country for Old Men*.

ANSWER: **Coen** brothers [or **Joel** Daniel Coen and **Ethan** Jesse Coen]

[M] Without Ethan, Joel Coen directed an adaptation of this Shakespeare play starring Denzel Washington and Frances McDormand. This play's title character murders Duncan to become King of Scotland.

ANSWER: **Macbeth** [accept *The Tragedy of Macbeth*]

[E] *The Tragedy of Macbeth* was filmed in this unusual manner, as were the recent films *The Lighthouse* and *Passing*. Old photographs had this appearance before colorizing technology was invented.

ANSWER: **black-and-white** [accept answers mentioning **no color**] <Sarma, Pop Culture>

9. The force exerted by these objects equals negative displacement times their namesake constant. For 10 points each:

[E] Name these objects, which are subject to Hooke's law. These elastic, coil-shaped objects store mechanical energy when compressed or stretched.

ANSWER: **spring** [accept coil **spring**]

[H] As a material undergoes elastic deformation, plotting this quantity against strain produces a straight line. It's not pressure, but this quantity has units of force per unit area.

ANSWER: **stress**

[M] This scientist's namesake modulus equals the ratio of stress over strain. This British scientist also conducted an early double slit experiment to confirm the wave nature of light.

ANSWER: Thomas **Young**

<Wu, Physics>

10. This leader was humiliated in a conflict that saw opposing Chadian soldiers equip pickup trucks with anti-tank missiles, the Toyota War. For 10 points each:

[H] Name this North African dictator from Sirte, who was overthrown in the 2011 Arab Spring. This dictator outlined his political philosophy in the *Green Book* and accepted responsibility for the Lockerbie Bombing.

ANSWER: Muammar **Gaddafi**

[M] Gaddafi led this North African country, which disputed the Aouzou Strip with its southern neighbor, Chad. The U.S. embassy in this country's city of Benghazi was attacked in 2012.

ANSWER: **Libya**

[E] The Aouzou strip is rich in deposits of this element, which can be processed from yellowcake. This element's 235 isotope is used in nuclear reactors.

ANSWER: yellowcake **uranium**

<Riley, World History>

11. This character performs as the lead vocalist for the garage band Enslave the Mollusk. For 10 points each:

[M] Name this iconic Lincoln Peirce-created character with spiky black hair and a yellow and blue shirt, who is often goofing around with Teddy and Francis at Public School 38.

ANSWER: **Nate** Wright [or Nate **Wright**; accept *Big Nate*]

[H] Due to his hatred of this teacher, Nate has given her names like “She who Must not Be Named” and “Godzilla.” Nate’s detestation for this social science teacher is elevated due to the multiple detentions that they spend together.

ANSWER: Mrs. Clara **Godfrey** [or **Clara** Godfrey]

[E] Nate has always wanted to own one of these animals, to the disdain of his sister and father. The iconic Snoopy from *Peanuts* is also one of these animals.

ANSWER: **dog** [or **beagle**; accept specific types]

<Qin, Pop Culture>

12. Norteño music from this country’s north was influenced by the polka and waltz, and prominently features the accordion and bajo sexto. For 10 points each:

[E] Name this country, where violins, vihuelas, and accordions are played in mariachi music.

ANSWER: **Mexico** [or United **Mexican** States; or Estados Unidos **Mexicanos**]

[H] The bajo sexto and vihuela are variants of this instrument, which is also found in Spanish flamenco music.

ANSWER: **guitar**

[M] The marimba, which is in this instrument family, is popular in Southern Mexico and Guatemala. Timpani and xylophones are also in this instrument family.

ANSWER: **percussion**

<Sarma, Auditory Fine Arts>

13. The protein p53 is crucial in preventing these diseases. For 10 points each:

[E] Name these diseases, characterized by uncontrolled cell growth. They can cause tumors, and can be treated with chemotherapy.

ANSWER: **cancers**

[H] This term refers to cancers of the blood. Unlike lymphomas, these cancers usually occur in the bone marrow.

ANSWER: **leukemias**

[M] Cancers can undergo this process, where part of a tumor breaks off, forming a secondary tumor that grows at a separate site from the primary one.

ANSWER: **metastasis** (*mah-TAS-tuh-sis*) [accept word forms]

<Wu, Biology>

14. In this country, a coalition led by a tribe described as “lazy fools” was finally crushed at the Angrivarian Wall. For 10 points each:

[H] Name this modern-day country, where Arminius led three legions into an ambush in the Teutoburg Forest.

ANSWER: Federal Republic of **Germany** [or Bundesrepublik **Deutschland**; or **Germania**]

[M] After Teutoburg Forest, this emperor would periodically bash his head into a wall while yelling “Quinctilius Varus, give me back my legions!” This emperor won the Battle of Actium.

ANSWER: **Augustus** Caesar (or **Octavian**)

[E] Augustus maintained the fiction of calling himself this body’s “first citizen” throughout his reign. This main legislative body of Rome included men such as Cicero and Crassus.

ANSWER: Roman **Senate** [or princeps **senatus**]

<Riley, Ancient History>

15. This object is believed to have been created by Saint Dominic during the Albigensian Heresy. For 10 points each:

[M] Name this object from Catholicism, which is used to count Hail Marys with beads.

ANSWER: **rosary**

[E] In addition to beads, rosaries include a small depiction of one of these objects, one of which Jesus died on.

ANSWER: **cross** [or **crucifix**]

[H] A rosary is often used in conjunction with this Christian prayer from the Sermon on the Mount. It opens “Our Father, who art in Heaven.”

ANSWER: **Lord's** Prayer

<Palavajjhala, Religion>

16. Answer these questions about various types of zithers around the world. For 10 points each:

[M] A group of box zithers, including the *kantele* and *kokle*, is part of the psaltery of this region, which includes the nations of Estonia, Latvia, and Lithuania. This region is named after a large sea in northern Europe.

ANSWER: **Baltic** States [accept **Baltic** Sea]

[H] The *valiha*, named for the bamboo species used to make its wood, is a tube zither that is the national instrument of this country. This island country is separated from mainland Africa by the Mozambique Channel.

ANSWER: **Madagascar** [or Republic of **Madagascar**; or Repoblikan'i **Madagasikara**; or Republique de **Madagascar**; or **Malagasy** Republic]

[E] The *berimbau*, a bar zither that uses a bow to play rather than a plectrum, is heavily used in the capoeira martial art of this country. The song “Girl from Ipanema” is named after a beach in this country’s city of Rio de Janeiro.

ANSWER: Federative Republic of **Brazil** [or Republica Federativa do **Brasil**]

<Sareddy, Geography>

17. One character in this novel attempts suicide after hearing a symphony composed by Otto Skadelig. For 10 points each:

[M] Name this novel by Anthony Burgess, in which Alex and his “droogs” hang out at the Korova Milk Bar.

ANSWER: A ***Clockwork Orange***

[H] The term “droog” means close friend in this language, which is spoken in *A Clockwork Orange*. This fictional language is a combination of mainly English and Russian.

ANSWER: **Nadsat**

[E] A woman named after one of these animals threatens to shoot Alex and set these animals on him. The “Cheshire” variety of one of these animals appears in *Alice’s Adventures in Wonderland*.

ANSWER: **cats** [or the Cheshire **Cat**]

<Ganguli, British Literature>

NOTE TO MODERATOR: Look over the answerline to the second part of the bonus prior to reading this bonus.

18. The author of the *Prose Edda*, Snorri Sturluson, was a law speaker of a parliament in this country. For 10 points each:

[M] Name this country home to the Althing, so-named to trick people to move to Greenland.

ANSWER: **Iceland** [accept **Ísland**]

[H] In the year 1000, the law speaker Thorgeir Thorkelsson officially decreed that Iceland would undergo this process. Thorgeir threw idols into a waterfall to signal this process. A description is acceptable.

ANSWER: **Christianization** (accept descriptions involving a **conversion** to **Christianity**; prompt on descriptions indicating a **rejection** of the pagan Norse **gods** that do not specify a conversion to Christianity)

[E] Iceland was made Lutheran after its colonization by this Scandinavian country. Greenland is a constituent country of this kingdom, which is governed from Copenhagen.

ANSWER: Kingdom of **Denmark** [accept **Danish** Realm]

<Mundhe, European History>

19. The power released by a process that fuses three of these particles is approximately proportional to temperature to the 40th power. For 10 points each:

[H] Name these particles that are helium nuclei, since they consist of two protons and two neutrons. These particles' namesake "triple" process forms carbon-12 in the cores of stars.

ANSWER: **alpha** particle [accept triple-**alpha** process]

[M] On the other hand, helium can be formed from two copies of this element in the proton-proton chain. This is the most common element in the universe.

ANSWER: **hydrogen** [or **H**]

[E] The proton-proton chain powers this star. This star is located at the center of the solar system.

ANSWER: the **Sun**

<Wu, Astronomy>

20. One character in this story questions whether it is right to hold the title event after hearing about Mr. Scott's death from Godber's Man. For 10 points each:

[H] Name this short story, which ends with Laura Sheridan's brother saying "Isn't it darling" in response to Laura's question "Isn't life...?"

ANSWER: "The **Garden Party**"

[E] "The Garden Party" is by Katherine Mansfield, an author from this country. Keri Hulme wrote about this country's indigenous Māori in her novel, *the bone people*.

ANSWER: **New Zealand**

[M] Mansfield moved to Great Britain at age 19, partially due to Māori mistreatment in New Zealand, and became good friends with this author. This author wrote *Lady Chatterley's Lover*.

ANSWER: D.H. **Lawrence** [or David Herbert **Lawrence**]

<Sareddy, World Literature>