

# Second Set 2025-26

powered by

# TheRockfordQuizBowlCo.

Brad Fischer · Jamie Fischer · Sophia Lind · Adam Silverman · Kristin A. Strey

## Round 9

- 1) **This country's Ferdinand the Fifth signed the April Laws, which were organized by Lajos Kossuth [LAH-yos KOH-suth] during its failed 1848 independence effort. After an ensuing two decades of military rule from Franz Joseph, the Compromise of (\*) 1867 brought this country into a Dual Monarchy that lasted until World War One. For ten points, name this central European country that was led as a monarchy from Budapest as part of an empire with its western neighbor, Austria.**

ANSWER: Hungary (accept Kingdom of Hungary; accept Magyar Királyság; accept Magyarország)

Bonus 1) In this novel, Guitar Bains helps the protagonist steal a bag from his aunt Pilate that turns out to contain human bones instead of gold. For ten points each,

[10h] Name this novel about Milkman Dead, titled for a book of the Bible.

ANSWER: Song of Solomon

[10m] *Song of Solomon* is by this American author of *Sula*.

ANSWER: Toni Morrison (accept Chloe Anthony Wofford Morrison; accept Chloe Ardelia Wofford)

[10e] In this other novel by Toni Morrison, Sethe believes that the title woman who appears at 124 Bluestone Road is the spirit of her dead baby.

ANSWER: Beloved

- 2) **This mythical figure's followers practiced sparagmos, in which they tore apart a bull, this god's symbol. This nephew of Agave made her kill her son Pentheus by driving her and the other (\*) Maenads to insanity, and he married Ariadne. This god's mother, Semele, died when she saw Zeus in his true form, requiring him to be sewn into Zeus's thigh until he was ready to be born. For ten points, name this Greek god of divine inspiration and wine.**

ANSWER: Dionysus (do not accept or prompt on "Bacchus")

Bonus 2) This man declared "Fondly do we hope, fervently do we pray, that this mighty scourge of war may speedily pass away" in a speech given six weeks before his death. For ten points each,

[10e] Name this U-S president whose other speeches include the 1863 Gettysburg Address.

ANSWER: Abraham Lincoln

[10h] Lincoln's "Fondly do we hope" quote comes from this type of speech. In the first of these speeches, Lincoln hopes that the "better angels of our nature" would "yet swell the chorus of the Union."

ANSWER: inaugural address (accept descriptions of "speeches given at Lincoln's presidential inaugurations")

[10m] Two years before being elected president, Lincoln accepted the Republican nomination for Illinois senator with a speech that quoted the book of Mark, noting that this type of structure "cannot stand."

ANSWER: a house divided (accept "a house divided against itself;" prompt on "house" alone; do not prompt on other terms like "building" or "home")

- 3) **Unlike a formulation by Galileo, this theory predicts that velocities are not additive and depend on the hyperbolic tangent of a parameter symbolized gamma. This theory is rationalized using a pair of light cones to represent observers in the (\*) past and future.** This theory mandates the speed of light is constant and inertial reference frames are equal, causing time dilation. For ten points, what theory by Einstein was supplanted by a more general version about gravity?

ANSWER: special relativity (accept S·R; prompt on "relativity" alone)

Bonus 3) The tempo markings on these pieces are "slow and dolorous," "slow and sad," and "slow and grave." For ten points each,

[10h] Name this set of three piano pieces, named for a naked dance. These works were a precursor to twentieth century ambient music.

ANSWER: Gymnopédies [zhim-noh-peh-DEE] (accept Trois Gymnopédies)

[10m] The *Gymnopédies* [zhim-noh-peh-DEEZ] were composed by this Frenchman, who also wrote a set of *Gnossiennes* [noh-see-YEN] for piano.

ANSWER: Erik Satie (accept Eric Alfred Leslie Satie)

[10e] Most of the *Gymnopédies* are written at this dynamic marking, labeled "pp." Only briefly does the dynamic rise one level above this, to "piano."

ANSWER: pian-iss-imo (listen carefully, and do not accept "pian-iss-iss-imo")

- 4) **The father of this play's central family frustratedly proclaims "damn my eggs" while arguing with his wife about his financial situation. In this play, Joseph Asagai describes hair straightening as "mutilation" to a woman to whom he gives (\*) Nigerian clothes. A life insurance payout allows Lena, Walter, and Benetha to move to Clybourne Park in this play. For ten points, name this 1959 play in which the Younger family moves into an all-white Chicago neighborhood, written by Lorraine Hansberry.**

ANSWER: A **Raisin in the Sun**

Bonus 4) The Mean Value Theorem requires that a function be continuous on a closed interval and have this property on the corresponding open interval. For ten points each,

[10m] Name this mathematical property that famously implies continuity, but not the other way around, much to the chagrin of new calculus students.

ANSWER: **differentiability** (accept word forms like **differentiable**; accept descriptions like "the **derivative exists**," but do not accept or prompt on the word "derivative" alone; do not accept or prompt on "differential")

[10e] The classic example of a continuous, but not differentiable, function, is the sharp point at the origin displayed by this V-shaped graph. This operation is indicated by vertical bars surrounding its input.

ANSWER: **absolute value** function (accept **absolute value** graph; accept **abs**)

[10h] The Weierstrass function [VAH-yer-strahs "function"], which is continuous everywhere but differentiable nowhere, can be written as this type of series, named for a Frenchman. These series are the sum of sine and cosine waves.

ANSWER: **Fourier** series (accept Joseph **Fourier**; accept Jean-Baptiste Joseph **Fourier**)

- 5) **This man plays Dave Torres in the podcast and television series *The Edge of Sleep*. This man directed an interactive movie titled *In Space with [this man]*, and he appears with Bob Muyskens and Wade Barnes on the podcast (\*) *Distractible*. This man stars with Sean McLoughlin and Caroline Rose Kaplan in the David Szymanski film adaptation he directed, 2026's *Iron Lung*. For ten points, name this director, actor, and YouTuber dubbed "The King of Five Nights at Freddy's."**

ANSWER: **Markiplier** (accept Mark Edward **Fischback**)

Bonus 5) The Purple Earth hypothesis supposes that retinal was used as a replacement for these molecules before the Great Oxygenation Event. For ten points each,

[10h] Name these macromolecules in which a porphyrin ring surrounds a magnesium ion. This family of chemicals are mainly used in the L·D·Rs to absorb blue and red photons.

ANSWER: chlorophylls (accept more specific types like "chlorophyll a")

[10m] In a pre-photosynthetic Earth, members of this domain would have used purple retinal to harvest solar energy. This domain is contrasted with eukaryotes and bacteria.

ANSWER: Archaea

[10e] Retinal is one of several compounds that act as this fat-soluble vitamin. Carrots are high in this vitamin, which is essential for healthy vision.

ANSWER: Vitamin A

- 6) **This state's Tellico Dam controversially threatened the snail darter fish in an early test of the Endangered Species Act. Oak Ridge National Laboratory in this state enriched (\*) uranium for the Manhattan Project on its namesake river, which flows south to Huntsville, Alabama. A New Deal electrification project called the T·V·A developed, for ten points, what U·S state where cities like Knoxville and Nashville are south of Kentucky?**

ANSWER: Tennessee

Bonus 6) This "Iron Lady" was uninjured in a 1984 bombing attack at the Brighton Grand Hotel that killed five people. For ten points each,

[10e] Name this first female British Prime Minister.

ANSWER: Margaret Thatcher (accept Margaret Hilda (Roberts) Thatcher, Baroness Thatcher)

[10m] The 1984 Brighton Hotel bombing was orchestrated by this paramilitary group that fought against the British during The Troubles.

ANSWER: I·R·A (accept Irish Republican Army; accept Provisional I·R·A; accept Provisional Irish Republican Army; accept Óglaigh na hÉireann)

[10h] The IRA began to plan the Brighton Hotel bombing after Thatcher's indifferent response to this type of political protest, a traditional Irish method of rebelling against British injustice. Bobby Sands and nine others died in prison in 1981 while performing this type of protest.

ANSWER: hunger strike (accept descriptions of self-starvation)

- 7) **The envelopes of these objects have already expanded until they reach the very edge of the Hayashi limit. These objects undergo a runaway triple-alpha process in a helium flash. Only the asymptotic branch has a higher luminosity than these (\*) stars, which emerge toward the top-right end of the main sequence on an H-R diagram. In five billion years, the Sun will become of these stars like Betelgeuse. For ten points, name these biggest and coolest stars.**

ANSWER: **red giant** (both parts required; accept **red supergiants**; prompt on “giants” or “supergiants” or “asymptotic giant branch;” prompt on “stars”)

Bonus 7) Loki once bet that no one could craft something more beautiful or more useful than the Sons of Ivaldi. Here's a quick lesson on why not to make bets like that. For ten points each,

[10m] The Sons of Ivaldi are these beings, as are Brokkr and Eitri, who won a smithing contest against them.

ANSWER: **dwarfs** (accept **dwarves**; accept **dvergr**)

[10e] Loki made the bet after the Sons of Ivaldi crafted this deity's spear Gung-nir. Eitri crafted the duplicating ring Draupnir for this chief god of the Norse pantheon.

ANSWER: **Odin** (accept **Wotan**)

[10h] Brokkr and Eitri won the contest by creating this object. Loki's intervention in its creation was not enough to save his pride, but did result in part of it being shorter than intended and requiring the iron gloves Járngreipr [YARN-"gripe"-neer] to wield it.

ANSWER: **Mjolnir** [mee-YAWL-neer] (prompt on "hammer" or "Thor's hammer")

- 8) **A thirteen-day meeting held at this location included a brief field trip to Gettysburg and an agreement to follow Security Council Resolution 242. The 1978 Nobel Peace Prize was awarded to Menachem Begin and (\*) Anwar Sadat for diplomatic talks held at this location. Jimmy Carter helped negotiate a series of Egyptian-Israeli Accords at, for ten points, what wooded Maryland location, a Presidential retreat since 1942?**

ANSWER: **Camp David** (accept Naval Support Facility **Thurmont**)

Bonus 8) This poem by William Blake describes an animal that is "burning bright / in the forests of the night." For ten points each,

[10e] Name this poem by William Blake that describes the "fearful symmetry" of a striped big cat.

ANSWER: The Tyger

[10h] This poem by William Blake describes "a little black thing among the snow, / crying 'weep! weep!' in notes of woe." Another Blake poem with this title describes "Little Tom Dacre."

ANSWER: The Chimney Sweeper (do not accept or prompt on "The Chimney Sweep")

[10m] The Tyger and the "little black thing among the snow" version of "The Chimney Sweeper" are both from this William Blake collection that is often paired with his *Songs of Innocence*.

ANSWER: Songs of Experience

- 9) **Almost mimicking Beethoven, this composer's fifth symphony opens with a short-short-short-long motif, played by a solo trumpet. Despite an affair between Walter Gropius and this man's wife Alma, he dedicated his Eighth Symphony to her; that piece is often performed with (\*) hundreds of singers. Fearing the "Curse of the Ninth Symphony," he refused to number his *Song of the Earth*. For ten points, name this German composer of the *Symphony of a Thousand*.**

ANSWER: Gustav Mahler

Bonus 9) This unit is preferred to Joules when describing reactions involving electron transfer. For ten points each,

[10e] Name this S·I unit that is generally used to describe the amount of energy provided to a circuit by a battery.

ANSWER: volt (accept millivolts)

[10h] To convert from volts to Joules, multiply by the number of electrons transferred and this other quantity, the capital letter in the denominator of the Nernst equation.

ANSWER: Faraday's constant (prompt on "F")

[10m] A reaction will happen in the direction that causes the total voltage of the two half reactions to have this property. If the Gibbs free energy has this property, a reaction is not spontaneous.

ANSWER: positive (accept greater than zero)

- 10) **In this novel, Popé has an affair with Linda, a woman who bemoans the failure of her Malthusian Drill and the inferiority of natural drugs to soma. This novel is set in the year six-hundred-thirty-two (\*) "After Ford," when Lenina Crowne works in a "hatchery" to engineer human fetuses to be alphas or betas. For ten points, name this novel by Aldous Huxley in which John the Savage is horrified by the dystopian world of Bernard Marx.**

ANSWER: Brave New World

Bonus 10) Give the following about Nobel-winning economist Paul Krugman, for ten points each.

[10e] Krugman spent more than two decades as a columnist for this newspaper, which has long rivaled the *Wall Street Journal* as America's two most-subscribed newspapers.

ANSWER: The New York Times (prompt on "N·Y·T;" prompt on "Times")

[10m] Krugman won his Nobel for studying this economic behavior. The expenditure approach to calculating GDP adds consumption, investment, government spending, and the net amount of this activity between countries.

ANSWER: international trade (accept net exports and/or imports)

[10h] Krugman also studied a "trap" named for this economic quantity, in which interest rates are so low, almost everyone would prefer to just hold onto cash rather than save it.

ANSWER: liquidity (accept liquidity trap)

- 11) **Believers in this faith dedicate the graves of dead women to the gede [geh-deh] Maman Brigitte, whose veve [veh-veh] contains a heart design. Priests in this religion are called mambos or houngans, and can be "ridden" during rituals by spirits called (\*) lwa [loh-ah], such as the cane-carrying Papa Legba or the tophat-wearing Baron Samedi. For ten points, name this folk religion popular in Haiti and Louisiana, where believers typically don't use namesake hex dolls.**

ANSWER: Voodoo (accept Haitian Vodou or Louisiana Voodoo; accept Vodu or Vodun)

Bonus 11) The first recorded description of this phenomenon in Florida described it as "extraordinary white rain" in 1774. For ten points each,

[10e] Name this type of precipitation, an inch of which accumulated in the Florida panhandle in January 2026.

ANSWER: snow

[10m] In 2003, Florida experienced the ocean's analog of this snowy phenomenon, which is more commonly experienced in cities like Cleveland and Buffalo. This type of snow is caused by a cold mass of air traveling over a large body of warmer water.

ANSWER: lake-effect snow

[10h] In 2020, the Treasure Coast of southern Florida received this type of frozen precipitation, consisting of small pellets of grainy snow and ice. This "soft hail" forms from snowflakes contacting supercooled water droplets in midair.

ANSWER: graupel

- 12) **This author inadvertently named his era with the novel *The Gilded Age*, and he attacked clumsy writing in the essay "Fenimore Cooper's Literary Offences." A memoir by this author about his time working on (\*) steamboats is titled *Life on the Mississippi*. For ten points, name this author whose novels about young boys who live in Saint Petersburg, Missouri include *Huckleberry Finn* and *Tom Sawyer*.**

ANSWER: Mark Twain (accept Samuel Langhorne Clemens)

Bonus 12) During a road playoff game, this player somehow hit a home run directly to a Seattle fan wearing a "Dump Sixty-One Here" t-shirt, who incredibly took off the shirt to reveal a "Dump Sixty-Two Here" shirt underneath. For ten points each,

[10h] Name this Seattle Mariner, nicknamed "Big Dumper," who led Major League Baseball with sixty home runs in 2025.

ANSWER: Cal Raleigh (accept Caleb John Raleigh)

[10m] Cal Raleigh obliterated Salvador Perez' record for most home runs in a season by a player of this position. As a result, second base is now the only position to never have had a fifty home run hitter.

ANSWER: catcher (accept C)

[10e] Raleigh's Seattle Mariners lost a heartbreaker in the 2025 American League Championship Series to this Canadian team, which then lost a heartbreaker in the World Series to the Los Angeles Dodgers.

ANSWER: Toronto Blue Jays (accept Toronto Blue Jays; prompt on "Jays" alone)



- 13) **DNA was first isolated by Friedrich Miescher from this animal's sperm. These animals develop a hook-like kype as they mature from alevins, to parrs, to smolts, gradually becoming more salt-tolerant. Eels perform the opposite (\*) migration as these anadromous fish, which run up waterfalls and try to avoid grizzly bears as they return from oceans to their native streams to spawn and die. For ten points, Chinook and coho are species of what pink fish?**

ANSWER: salmon (accept Salmonidae or salmonids; accept Atlantic or Pacific salmon; prompt on "fish")

Bonus 13) Name these artists whose sculptures weren't quite interpreted as they expected, for ten points each.

[10m] U-S customs officers refused to accept this Romanian sculptor's work *Bird in Space* as art, leading to him suing the United States against their forty percent tariff on manufactured metal.

ANSWER: Constantin Brâncuși [bran-KOOSH]

[10e] This Dada artist's readymade, *Fountain*, consists of a urinal signed "R. Mutt." After this artist submitted *Fountain* under a pseudonym, it was hidden from a no-rejections exhibition that didn't believe it was art.

ANSWER: Marcel Duchamp (accept Henri-Robert Marcel Duchamp)

[10h] This Indian-born British sculptor has sued the N·R·A for running a video featuring his sculpture *Cloud Gate*, often called "The Bean." This man has also criticized Border Patrol agents taking photos with it.

ANSWER: Anish Kapoor (accept Sir Anish Mikhail Kapoor)

- 14) **This empire, which gained power after defeating Marwan the Second at the Battle of Zab, experienced a golden age under Harun al-Rashid. The Mamluks allowed a branch of this empire to exist ceremonially for a few hundred years after the (\*) Mongols sacked its capital of Baghdad in 1258. For ten points, name this empire that gained power after defeating the Umayyads in 750 C·E to become the third Islamic caliphate.**

ANSWER: Abbasids (accept Abbasid Caliphate; accept Abbasid Empire; accept Abbasid dynasty; accept al-Khilāfah al-Abbāsiyah)

Bonus 14) This author wrote about Charles Kinbote's analysis of John Shade's nine-hundred-ninety-nine-line-long poem in the novel *Pale Fire*. For ten points each,

[10m] Name the Russian-American author who wrote about Dolores Haze in another novel.

ANSWER: Vladimir Nabokov (accept Vladimir Vladimirovich Nabokov)

[10e] Vladimir Nabokov wrote about Humbert Humbert's creepy obsession with the twelve-year-old Dolores Haze in this novel, which is titled for Humbert's nickname for Dolores.

ANSWER: Lolita

[10h] Humbert develops an obsession with young girls after the death of this woman, his childhood crush, who has a poetic name.

ANSWER: Annabel Leigh (accept Annabel Leigh)

Note: Annabel's character and name were inspired by Annabel Lee, the Edgar Allan Poe poem about the tragic death of a beautiful young woman.

- 15) **The "effective" type of this behavior names a philanthropic movement once championed by cryptocurrency felon Sam Bankman-Fried. Hamilton's rule describes how kin selection leads to this behavior, biologically. In (\*) ethics, this behavior comes from a form of utilitarianism concerned with everyone except the performer of the behavior. For ten points, name this social behavior that benefits another person while sacrificing one's own benefit.**

ANSWER: altruism (accept word forms like altruistic behavior; accept effective altruism; prompt on "kin selection" before it is read in the second sentence)

Bonus 15) In this country, "K·K·K" stands for the Kati-punan, a secret society that fought for independence after it was discovered by colonial troops in 1896. For ten points each,

[10h] Name this modern-day country where Emilio Aguinaldo led as president from 1899 to 1901, when he was captured by American forces.

ANSWER: the Philippines (accept Filipinas; accept Republic of the Philippines; accept Republika ng Pilipinas)

[10e] Control of the Philippines was sold to the U·S in the 1898 Treaty of Paris, which ended this war.

ANSWER: Spanish-American War

[10m] This American was named Governor-General of the Philippines after Aguinaldo stepped down. This politician's initial goal was serving on the Supreme Court, which he eventually did after a term as U·S president.

ANSWER: William Howard Taft

- 16) **The background of this painting features a mirror showing its patrons and a doorway showing their chamberlain. This painting's artist depicted himself on its left with its ten-foot-tall (\*) canvas, though the red cross on his chest was added later. The central girl in this painting is surrounded by maids, a dwarf, and a dog. For ten points, name this 1656 painting depicting the Infanta Margarita's attendants, created by Diego Velasquez.**

ANSWER: Las Meninas (accept The Maids of Honor, accept The Ladies in Waiting)

Bonus 16) Iran controls the entire northeastern shore of the Persian Gulf; give the following about countries on its other shores, for ten points each.

[10h] This country came into existence in 1971 after the breakup of the Trucial States.

ANSWER: United Arab Emirates (accept U·A·E; prompt on "Emirates")

[10m] Iraq invaded this small country in 1990 and occupied it for about six months before an American-led coalition forced them out in the first Persian Gulf War.

ANSWER: Kuwait (accept State of Kuwait)

[10e] This largest country on the Arabian Peninsula is bordered on the Persian Gulf by Kuwait, Qatar, and the United Arab Emirates.

ANSWER: Saudi Arabia (accept Kingdom of Saudi Arabia; accept K·S·A; accept al-Mamlaka al-Arabiyya as-Su'ūdiyya)

- 17) **In a play named for this man, Margaret gives her mother a sleeping potion that kills her, and later drowns the illegitimate baby she has with this man. This literary character considers dying at Easter-time until he is followed home by a poodle with whom he makes a (\*) deal. For ten points, name this character, inspired by German folklore, who offers his soul to the demon Mephistopheles [meh-fiss-TAH-feh-leez] in exchange for power in a two-part play by Goethe [GUR-tuh].**

ANSWER: Faust (accept Heinrich Faust; accept Faustus; accept Faust, Part One; accept Faust, Part Two)

Bonus 17) This country was where the Theo-sophist Helena Bla-vat-sky went to defend the Spiritualist movement after learning about spiritual Masters in Tibet in the late 1800s. For ten points each,

[10e] Name this country where Blavatsky influenced the founders of New Religious Movements like the Church Universal and Triumphant in Montana.

ANSWER: U·S (accept U·S·A; accept either underlined portion of United States of America)

[10h] Before Blavatsky arrived, the U·S was no stranger to New Religious Movements; as early as the seventeen-hundreds, it was home to this splinter group of Quakers named for their vigorous movements during church services.

ANSWER: Shakers (accept United Society of Believers in Christ's Second Appearing)

[10m] A much later New Religious Movement in the U·S is this belief system founded by science fiction writer L. Ron Hubbard, which preaches against psychology in favor of its own paid "auditing" practices.

ANSWER: Scientology (accept Church of Scientology)

- 18) **Electrons labelled by this letter generate the “sharp” lines in sodium’s fine spectrum. This letter is the subscript of m in the last quantum number, which is always plus or minus one-half. This letter represents a subshell in which (\*) L equals zero and electrons occupy a spherical distribution around the nucleus. In methane, p orbitals hybridize with orbitals named for this letter. For ten points, what letter symbolizes entropy, spin, and the symbol for sulfur?**

ANSWER: S

Bonus 18) This collection contains a poem that Edward FitzGerald translated into English as "the Moving Finger writes; and, having writ, / moves on." For ten points each,

[10h] Name this collection of poems attributed to Omar Khayyam.

ANSWER: Rubáiyát [roo-bah-yat] (accept The Rubáiyát of Omar Khayyam)

[10e] The word "rubáiyát" [roo-bah-yat] means that the poems in the collection are quatrains, so they each have this many lines.

ANSWER: four

[10m] Edward FitzGerald translated the *Rubáiyát* into English from an antiquated form of this language, which is spoken in what is now Iran.

ANSWER: Persian (accept Farsi; accept Parsi)

- 19) **To support this political party, William Cobbett published the *Porcupine's Gazette*. This party was led by members of the Essex Junto, including Timothy Pickering and the author of a *Report on Manufactures*. This party, whose (\*) downfall came after the Hartford Convention, was criticized for opposing the War of 1812. Alexander Hamilton's pro-Constitution papers helped inspire the name of, for ten points, what early American political party?**

ANSWER: **Federalist** Party

Bonus 19) The United States currently operates four of these facilities, in Philadelphia, San Francisco, Denver, and West Point, New York. For ten points each,

[10e] Name this type of government facility that produces metal coins.

ANSWER: **mints**

[10m] A glass pyramid was designed by an architect other than I-M Pei for the Royal Canadian Mint in this capital city of Manitoba.

ANSWER: **Winnipeg**

[10h] In 2020, the Royal Dutch Mint moved into a gold brick-shaped building in Houten, a suburb of this city where it had been located for four hundred and fifty years. This city, just south of Amsterdam, hosted the peace conference that ended the War of the Spanish Succession.

ANSWER: **Utrecht** (accept Peace of **Utrecht**; accept Treaty of **Utrecht**)

- 20) **This function is generated by a special case of a Taylor series called the Mercator series, although its input is "one plus X" because this function is undefined when its input is zero. "One over X" is the (\*) derivative of this function, which obeys the property "F of the quantity A times B equals F of A plus F of B." For ten points, name this mathematical operation that is the inverse of exponentiation and whose most familiar type is called "natural."**

ANSWER: **log** (accept **logarithm**; accept natural **logarithm**)

Bonus 20) Metamaterials have been engineered to create this property at small scales, though you can experiment with this property yourself using two nested Pyrex beakers and some vegetable oil. For ten points each,

[10m] Name or describe this property that exists when a material's index of refraction is equal to the index of refraction of the air or fluid around it.

ANSWER: you **can't see it** (accept **invisibility** and word forms like **invisible**; accept **transparency** and word forms like **transparent**; do not accept descriptions of "camouflage")

[10h] This property measures the clarity or cloudiness of water. In rivers and lakes, this property is measured by lowering a Secchi disk in the water until you cannot see it anymore.

ANSWER: **turbidity** (accept word forms like **turbid**)

[10e] These gelatinous animals are often transparent in water, making their sting a nasty surprise to swimmers. They aren't always invisible, though; green fluorescent protein was first isolated in these floating animals.

ANSWER: **jellyfish** (accept **jellies**)