

# RQBCo Novice 2025-2026

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## TheRockfordQuizBowlCo.

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## Replacements

- 1) ☐ **This colony was the site of the Battle of Bloody Marsh during the War of Jenkins' Ear. This colony experimented with banning slavery under James Oglethorpe, who founded it in the 1730s. This future state was founded to serve as a (\*) debtor's prison and as a buffer between Spain and the British Carolinas. For ten points, name this southernmost of the Thirteen Colonies, just north of Spanish Florida.**  
Check Box if TU Used  
ANSWER: Georgia
- 2) ☐ **In this novel, Dutch and Japanese pirates claim the protagonist's ship and set him adrift near the floating island of Laputa, a land full of high-minded people who cannot perform practical tasks. This novel's protagonist is marooned in (\*) Brobdingnag and shipwrecked in Lilliput, where he encounters people who are no more than six inches tall. For ten points, name this novel by Jonathan Swift about the title man's journeys in fantastical lands.**  
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ANSWER: Gulliver's Travels (accept Travels into Several Remote Nations of the World, In Four Parts, by Lemuel Gulliver, First a Surgeon, and then a Captain of Several Ships)
- 3) ☐ **In calculus, the integral operation can be pictured as doing this mathematical operation on many rectangular areas. This mathematical operation is the subject of a childhood legend about Carl Friedrich Gauss. A capital (\*) sigma indicates that this operation should be done in a certain pattern; for example, doing this on the numbers from one to ten gives fifty-five. For ten points, name this basic arithmetic operation that is undone by subtraction.**  
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ANSWER: addition (accept summation; accept word forms, like adding numbers together)  
Note: Gauss is said to have added the numbers from one to one hundred in his head very quickly.
- 4) ☐ **These cells are surrounded by corona radiata and zona pellucida. L·H, or luteinizing hormone, stimulates the release of these cells. These largest cells in the human body are filled with a nutritive (\*) yolk. These cells mature from follicles and travel down the fallopian tubes from the ovaries during monthly ovulation. For ten points, name these gametes that can be fertilized by sperm cells.**  
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ANSWER: egg (accept egg cell; accept ovum or ova; accept oocyte)

- 5) **Some of these literary objects are "continuous as the stars that shine / and twinkle on the milky way" in William Wordsworth's poem "I Wandered Lonely as a Cloud," in which he sees "a host" of "golden" ones of these things. Poems by Robert Burns compare love to a (\*) "red, red" one of these plants "that's newly sprung in June" and apologize for crushing another's "slender stem" and red-tipped petals. For ten points, name these poetic plants such as daffodils, roses, and daisies.**



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ANSWER: flower (accept obvious equivalents like bloom or blossom; before "daffodil" is read in the last sentence, accept any of the following: daffodil; rose; A Red, Red Rose; mountain daisy; or To a Mountain Daisy)

- 6) **The 1996 Olympic cauldron was lit by this man, who said that he threw his 1960 Olympic gold medal into the Ohio River after being denied service at a segregated restaurant. This man, who declared "I ain't got no quarrel with them" (\*) Vietcong, refused to be drafted into the army in 1967 and was stripped of his titles. The 1974 Rumble in the Jungle against George Foreman was won by, for ten points, what American boxer and activist, known as "the Greatest?"**



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ANSWER: Muhammad Ali (accept Cassius Marcellus Clay, Jr.)

- 7) **This force is proportional to the normal force in a law named for Guillaume Amontons, whose two laws of this force note that it is proportional to an object's load and independent of the (\*) area of contact. Mu [mew] symbolizes this force's "coefficient," which is a property of two materials interacting in a static or kinetic manner. For ten points, name this force that opposes motion when two surfaces rub against each other.**



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ANSWER: friction (accept coefficient of friction; accept static friction; accept kinetic friction)

- 8) **A figure in this work decides she cannot fall in love with a boy nicknamed "Hello" Silberberg, and has her first kiss with Peter Van Pels. This work is addressed to "Kitty," and was written in a (\*) secret annex in Amsterdam, where this work was found after its author was killed in the Bergen-Belsen concentration camp. For ten points, name this memoir written during the Holocaust by Anne Frank.**



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ANSWER: The Diary of a Young Girl (accept the Diary of Anne Frank before "Anne" is read in the last sentence; prompt on "diary")

- 9) **In this country in a public square named Loreto, fifteen civilians were martyred by the Nazis; a year later, that square is where the dictator of this country and his mistress were hung upside down. Victor (\*) Emmanuel the Third allowed the first fascist party to come to power in this country after the Blackshirts marched on the capital in 1922. For ten points, name this country where "Il Duce," [eel DOO-chay], Benito Mussolini, led from Rome.**



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ANSWER: Italy (accept Italia)

- 10) **Alloys are essentially these substances in a solid phase. When ideal, these substances' activity coefficients equal one, and they obey Raoult's law; if not, they can form azeotropes and can't be purified by (\*) distillation.** Colligative properties of these substances depend on their molarities. Water universally forms these mixtures when added to salt. For ten points, name these mixtures in which a solute is dissolved in a solvent.



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ANSWER: solution

## Bonuses

- 1) Answer the following about ocean-based organisms at various size scales, for ten points each.



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[10h] The largest-known animal ever, the blue whale, is classified as this type of whale because of the large plate of "whalebone" in its mouth that filters food out of the water.

ANSWER: baleen whale(s)

[10m] Baleen whales feed on these micro-organisms, which are moved along by water currents and can't actually move themselves. Diatoms are examples of this type of organism.

ANSWER: plankton (accept plankters)

[10e] Polyps of these invertebrates are found in colonies that can build larger reef ecosystems. These organisms, some of which can catch and feed on plankton, can suffer bleaching as ocean temperatures rise.

ANSWER: corals

- 2) Some sources cite this as the first "world war," as it had theaters on four continents. For ten points each,



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[10h] Name this war that included the French and Indian War in America, the Third Carnatic War in India, and various other British/French conflicts.

ANSWER: Seven Years' War

[10e] The Seven Years' War followed a succession war in this Habsburg-controlled country, where Maria Theresa's right to rule from Vienna was contested.

ANSWER: Austria (accept War of the Austrian Succession)

[10m] In the Seven Years' War, almost every British colony in the world fought against France and/or Austria, which ended their rivalry and became allies after signing a 1756 treaty at this French palace. A more famous treaty was signed here in 1919.

ANSWER: Palace of Versailles (accept Treaty/Treaties of Versailles)

- 3) This novel's title character rescues and then enslaves a former cannibal he names Friday. For ten points each,



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[10e] Name this novel presented as the memoir of an English sailor who colonizes an island near South America after he is shipwrecked there.

ANSWER: **Robinson Crusoe** (accept The **Life and Adventures of Robinson Crusoe**; accept The Life and Strange Surprising Adventures of **Robinson Crusoe** of York, Mariner: Who Lived Eight and Twenty Years, All Alone in an Un-inhabited Island on the Coast of America, Near the Mouth of the Great River of Oroonoke; Having Been Cast on Shore by Shipwreck, Wherein All the Men Perished but Himself. With an Account how he was at last as Strangely Deliver'd by Pyrates. Written by Himself.)

[10h] This other novel by the author of *Robinson Crusoe* is framed as the autobiography of a woman who is born in Newgate prison, moves to Virginia, and accidentally marries her own brother.

ANSWER: **Moll Flanders** (accept The **Fortunes and Misfortunes of the Famous Moll Flanders**; accept The Fortunes and Misfortunes of the Famous **Moll Flanders**, &c., Who was Born in Newgate, and during a Life of continu'd Variety for Threescore Years, besides her Childhood, was Twelve Year a Whore, five times a Wife (whereof once to her own Brother), Twelve Year a Thief, Eight Year a Transported Felon in Virginia, at last grew Rich, liv'd Honest, and dies a Penitent. Written from her own Memorandums)

[10m] *Robinson Crusoe* and *Moll Flanders* are by this English author who also wrote *A Journal of the Plague Year*.

ANSWER: Daniel **Defoe** (accept Daniel **Foe**)

- 4) After the first of these wars, the losing side put down the Mercenary War among troops it had employed but neglected to pay. For ten points each,



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[10h] Name this series of three wars in the second and first centuries BCE between Rome and an African empire with armies led by the Barca family.

ANSWER: **Punic** Wars (accept First, Second, and/or Third **Punic** Wars)

[10m] Hannibal Barca fought Rome on behalf of this empire, which ultimately lost all three Punic Wars.

ANSWER: **Carthage** (accept **Carthaginian** Empire)

[10e] Hannibal's armies included dozens of these trampling war animals, which he famously brought with him while crossing the Alps in 218 BCE.

ANSWER: war **elephants**

- 5) The probability of randomly selecting the number "one point five" out of all the real numbers between one and two is, perhaps counterintuitively, equal to this value. For ten points each,



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[10e] Name this value, the probability of an impossible event.

ANSWER: zero (accept zero percent)

[10h] The apparent paradox of "randomly selecting a specific real number has probability zero" can be resolved using this mathematical concept, seen in introductions to calculus. This value is zero for the infinite sequence "one over N" as N approaches infinity, even though each term in the sequence is positive.

ANSWER: limits

[10m] Graphically, this term describes an imaginary line that a graph like "y equals one over x" will approach, but never reach.

ANSWER: asymptote (accept word forms like asymptotic; accept vertical or horizontal asymptote; prompt on "x-axis" or "y-axis" by asking, "What type of line is the axis behaving like?")

- 6) Answer the following about your physics teacher's favorite physics teacher, John Bardeen, for ten points each.



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[10m] Bardeen won the first of his two Physics Nobels for co-inventing these devices that change an electrical signal, usually by switching it or amplifying it. Moore's Law observes how the number of these devices that can fit on a microchip consistently increases over time.

ANSWER: transistors

[10e] Bardeen won his second Nobel Prize for his work on BCS theory, explaining this phenomenon in which an object has zero electrical resistance.

ANSWER: superconductivity (accept word forms like superconducting; do not accept or prompt on "conductivity")

[10h] Only one answer is required. Bardeen invented the transistor at a famed New Jersey laboratory complex where the laser was also invented, and he theorized superconductivity while teaching at a midwestern university where the four-color map theorem was proven. Name either the lab or the school.

ANSWER: Bell Labs and/or the University of Illinois at Urbana-Champaign (accept either or both answers; accept U-I-U-C)

7) This literary character shares a name with a real Iroquois chief, but unlike the real person, this character is the son of Wenonah and the spirit of the West Wind. For ten points each,



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[10h] Name this fictional Ojibwe chief who falls in love with Minnehaha and defeats Pearl-Feather in a poem set "on the shores of Gitche Gumee."

ANSWER: **Hiawatha** (accept The **Song of Hiawatha**)

[10m] This Fireside Poet wrote *The Song of Hiawatha* and a poem in which an American revolutionary asks a friend in the "North-Church-tower" to signal whether "the British march / by land or sea."

ANSWER: Henry Wadsworth **Longfellow**

[10e] In a Longfellow poem about this man, he receives a signal of "one if by land, and two if by sea" and rides his horse across the countryside to warn Americans that the British are coming to fight the Revolution.

ANSWER: Paul **Revere** (accept **Paul Revere's Ride**)

8) This policy was carried out at concentration camps like the Manzanar War Relocation Center. For ten points each,



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[10e] Name this policy that was begun by Executive Order 9066 in February 1942.

ANSWER: **internment of Japanese-Americans** (accept equivalents like **imprisonment of Japanese-Americans**; prompt on partial answers like "internment")

[10h] Japanese-American internment was upheld as constitutional by the Supreme Court in a case brought by, and named for, this activist.

ANSWER: Fred **Korematsu** (accept **Korematsu** v. United States)

[10m] One of the dissenting justices in the *Korematsu* case was Robert Jackson, who later oversaw the prosecution of the Nazis at this series of postwar war tribunals.

ANSWER: **Nuremberg** trials

- 9) This equation is equivalent to stating, "The Gibbs free energy decreases linearly with the logarithm of the reaction quotient." For ten points each,



Check Box if Bonus Used [10h] Name this equation that is more often written in units of electrical potential. Specifically, this equation gives the electric potential of a half-reaction as a function of concentration.

ANSWER: Nernst equation

[10e] If the reduction potential from the Nernst equation is negative, then a reaction requires this stimulus to run. This flow of charge is usually conducted through a wire.

ANSWER: electrical current (prompt on "I")

[10m] In the absence of current, the reaction will proceed via this process, the opposite of reduction, in which a molecule loses electrons.

ANSWER: oxidation (accept word forms like oxidizing or oxidize)

- 10) Answer the following about the poetry of Octavio Paz, for ten points each.



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[10e] Paz was an author from this North American country south of the United States.

ANSWER: Mexico (accept United Mexican States; accept Estados Unidos Mexicanos)

[10h] Paz wrote this five-hundred-eighty-four-line poem whose length reflects the orbital period of Venus, and that is based on a namesake Aztec calendar.

ANSWER: Sunstone (accept Piedra de Sol)

[10m] Paz wrote *Sunstone* without using any of this most common ending punctuation.

ANSWER: period (accept full stop)