THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Standard Sample, Varsity

This is a sample, and you may use it freely and without restriction, though it cannot be used for any interscholastic competition, and cannot be used to train Artificial Intelligence models.
For more information or to contact us with questions of any kind, please email Alan@liqba.com or call (631)-360-3724, Extension 2.

It is our sincerest hope that you will enjoy what we have written.

Copyright 2026 Long Island Quiz Bowl Alliance

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Quand ses parents ont divorcé, il a arrêté de jouer au football avec nous.
GERMAN: Als seine Eltern sich scheiden ließen, hat er aufgehört, mit uns Fußball zu spielen.
SPANISH: Cuando sus padres se divorciaron, dejó de jugar al fútbol con nosotros.
ANSWER: **When his parents divorced, he stopped playing soccer with us.**

Language Arts

This substance is called “the flag of my disposition” and “the beautiful uncut hair of graves.” What substance titles a poetry collection that includes works like “Crossing Brooklyn Ferry” and “Song of Myself?”
ANSWER: **grass** [accept *Leaves of* ***Grass***] <Literature>

This bird names the position of someone stretched out with their arms and legs extended. When the letter “b” is added in front of this bird’s name, it means a type of dog. What kind of animal is the national bird of the US?
ANSWER: **eagle** [or spread**eagle**d; or b**eagle**; or bald **eagle**] <Vocabulary>

This character loses a fight to Samson Carasco, who was posing as the Knight of the White Moon. Which alleged knight charges at windmills thinking they are giants in a novel by Miguel De Cervantes?
ANSWER: **Don Quixote** (Don Key-HO-Tay) [prompt on Alonso Quijano] <Literature>

Science and Health

This quantity is the horizontal asymptote in the Verhulst equation. In logistic growth, a population stabilizes at this quantity after an initial growth phase. Name this maximum population that can live in a given environment.
ANSWER: **carrying capacity** [prompt on K]

One form of this quantity is equal to U minus the product of T and S. Another form of this quantity equals enthalpy minus temperature times entropy, and when negative, indicates a reaction is spontaneous. Forms of what quantity are named for Helmholtz and Gibbs?
ANSWER: **free energy** [accept Gibbs **free energy**; accept Helmholtz **free energy**; prompt on energy] <Science>

These entities produce a transverse potential difference when applied perpendicular to a conductor in the Hall effect. Ampère's law can calculate the strength of what entities that are produced by moving charges and are measured in Teslas?
ANSWER: **magnetic field**s [accept **B-field**s] <Science>

Social Studies

These entities are described in a Benedict Anderson book as "imagined communities." These entities are distinguished from states, which may not share a culture and history. For what does the "N" in "UN" stand?
ANSWER: **nation**s [or United **Nation**s; prompt on countries or nation-states; reject "states"] <Social Science>

This modern-day country contains an adobe-brick pyramid called the Huaca de Sol, which served as the capital of its Moche civilization that preceded the Chimor. Cusco is an ancient city in what modern-day country that is home to Machu Picchu, built by the Incas?
ANSWER: **Peru** <History>

This state was home to the only sitting governor to be assassinated, William Goebel. A senator from this state pushed for the construction of the Maysville Road through his American System. Name this state represented in the senate by the "Great Compromiser" Henry Clay.
ANSWER: Commonwealth of **Kentucky** <History>

Mathematics

(20 SEC)
Harvey runs north at a speed of 12 miles per hour and Oswald runs east at a speed of 5 miles per hour. After 10 hours, what is the shortest distance between them?
ANSWER: **130** miles <Computational Math>

(20 SEC)
The point (3, 4) ("three comma four") lies on a scatterplot and the line of best fit is the equation $y = 3x + 5$ ("y equals three x plus five"). What is the magnitude of the difference between the expected and real value at $x = 3$ ("x equals three")?
ANSWER: **10** <Computational Math>

(20 SEC)
If Jeremy tosses a fair coin four times, what is the probability that he gets at least two heads?
ANSWER: **11/16** <Computational Math>

Fine Arts

This composer, who wrote a *Piano Concerto for the Left Hand*, included a whip crack at the beginning of his piano concerto in G major. What composer included a repetitive snare drum ostinato in his piece *Boléro*?
ANSWER: Maurice **Ravel** <Fine Arts>

An artist from this country depicted a cat creeping near a clutter of oysters in his still-life *The Ray*. Another artist from this country painted still-lives such as *Pyramid of Skulls* and *The Basket of Apples*. Name this country home to the painters Jean Siméon Chardin and Paul Cezanne.
ANSWER: **France** [or the Republic of **France**; accept la **République française**] <Fine Arts>

Year in Review

This politician described his time serving as a guard in Guantanamo Bay as "a prison without a mission" and drew criticism for accidentally throwing an axe at a drummer in 2015. What former Fox News host is Donald Trump's Secretary of Defense?
ANSWER: Pete **Hegseth** <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #2

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Le pompier a reçu une prime après avoir sauvé un chat.
GERMAN: Der Feuerwehrmann hat einen Bonus bekommen, nachdem er eine Katze gerettet hat.
SPANISH: El bombero recibió una prima después de salvar a un gato.
ANSWER: **The firefighter got a bonus after saving a cat.**

Language Arts

This state is the setting of a book which chronicles a Hmong child's epileptic seizures; that book is Anne Fadiman's *The Spirit Catches You and You Fall Down*. Amir meets Rahim Khan after traveling from this state to Afghanistan. *The Kite Runner* is partly set in what state's San Francisco Bay area?
ANSWER: **California** [or **CA**] <Literature>

A poem by this man inspired the title of Rachel Carson's *Silent Spring* and has a title meaning "The Beautiful Lady without Pity." What English poet of "La Belle Dame sans Merci" wrote "beauty is truth, truth beauty" in his "Ode on a Grecian Urn"?
ANSWER: John **Keats** <Literature>

The "abstract" form of this part of speech refers to intangible concepts and entities. What parts of speech can represent people, places, and things?
ANSWER: **noun**s [or abstract **noun**s] <Grammar>

Science and Health

Sequelae ("see-QUELL-ay") of this disease include knife-like ulcers in the groin, fistulae, and characteristic skip lesions appearing anywhere in the GI tract. What form of inflammatory bowel disease is often contrasted with ulcerative colitis ("co-LIGHT-iss")?
ANSWER: **Crohn**'s disease <Science>

A triatomic form of this element can create cracks in rubber when exposed to it. This element is heated with hydrocarbons when performing a combustion reaction. Name this element bonded to hydrogen in water.
ANSWER: **oxygen** [accept **O** or **O2**] <Science>

This quantity is conserved because of time-reversal symmetry per Noether's ("NUH-terz") theorem. Albert Einstein showed an equivalence between mass and what quantity measured in joules?
ANSWER: **energy** [accept kinetic or potential **energy**] <Science>

Social Studies

Which geographical region of South America neighboring the Drake Passage is characterized by a relatively cool climate, overlaps with part of the Andes mountains, and includes large portions of Chile and Argentina?
ANSWER: **Patagonia** <Geography>

Virginia City, Nevada was developed due to the discovery of this material at the Comstock Lode generating a large mining industry. A movement popular with debtors supported backing the US dollar with what metal alongside gold?
ANSWER: **silver** [or **Ag**] <History>

This tribe owned the Phoenix newspaper which used a syllabary developed by Sequoyah. A friend of Elias Boudinot, Samuel Worcester, filed suit to defend this tribe's land in the aftermath of an 1830 law. The Indian Removal Act forced what tribe's removal from North Carolina to Oklahoma along the "Trail of Tears"?
ANSWER: **Cherokee** [or **Tsalagi**] <History>

Mathematics

(20 SEC)
What is the focus of a parabola defined as $x^2 / 8 = y - 2$ ("x squared over eight equals y minus two")?
ANSWER: **(0,4)** ("zero comma four" or "zero four") <Computational Math>

(20 SEC)
If James rolls a 20 sided die two times, what is the probability that he does not roll a 20 either time?
ANSWER: **361/400** [or **90.25%**] <Computational Math>

(20 SEC)
What is the eccentricity of an ellipse if a focus is located at (2, 6) ("two comma six"), the center is located at (2, 3) ("two comma three"), and a vertex is located at (2, 11) ("two comma eleven")?
ANSWER: **3/8** [or **0.375**] <Computational Math>

Fine Arts

A work in this genre by Emile Waldteufel is known as "The Skaters." The Ländler preceded this genre whose pieces include *On the Beautiful Blue Danube*. Johann Strauss was the "king" of what genre of dance in triple-meter?
ANSWER: **waltz**es [accept *The Skaters **Waltz***] <Fine Arts>

Many painters influenced by this artist including Gerrit van Honthorst were based in Utrecht. A painting this artist created for the Contarelli Chapel depicts Jesus pointing at a titular illuminated tax collector. This artist popularized an extreme form of chiaroscuro known as tenebrism. Name this baroque painter of *The Calling of Saint Matthew*.
ANSWER: Michelangelo **Merisi** da **Caravaggio** [or **Amerighi** da **Caravaggio** or Michele Angelo **Merigi** da **Caravaggio**; accept any underlined portion] <Fine Arts>

Year in Review

This country's general Joseph Aoun became its president, and the former president of the International Court of Justice, Nawaf Salam, is its prime minister. Maronite Christians and other religions are guaranteed representation in the government of what country home to Hezbollah that is governed from Beirut?
ANSWER: **Lebanon** <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #3

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: La ville espère que ce fonctionnaire sera meilleur que le précédent.
GERMAN: Die Stadt hofft, dass dieser Beamte besser sein wird als der letzte.
SPANISH: La ciudad espera que este funcionario sea mejor que el anterior.
ANSWER: **The city hopes that this civil servant will be better than the last/previous one.**

Language Arts

In this story, a woman preens over her hideous green and purple hat before dying at a bus stop. Julian's mother is hit after trying to give a black child a penny in what story by Flannery O'Connor?
ANSWER: "**Everything that Rises Must Converge**" <Literature>

This author wrote the series *Tales of My Landlord*, which is part of his Waverley novels. Name this author of *Rob Roy* and *Ivanhoe*.
ANSWER: Walter **Scott** <Literature>

This part of a sentence along with a verb must "agree" in the number they refer to. The predicate modifies what part of a sentence, which refers to the thing the sentence is about?
ANSWER: **subject** [accept **subject**-verb agreement] <Grammar>

Science and Health

Wolbachia ("wohl-BAH-kee-ah") infects the reproductive systems of animals in this phylum. Organisms in this phylum that contain ocelli ("oh-CELL-ai") and compound eyes include the horseshoe crab. What phylum includes crustaceans and insects?
ANSWER: **Arthropoda** [or **arthropod**s] <Science>

A heterogenous one of these substances used to hydrogenate benzene is Raney nickel. These substances lower a reaction's activation energy, but are not consumed in the reaction. What substances increase a reaction's rate?
ANSWER: **catalyst**s [prompt on enzymes] <Science>

This quantity's quantum mechanical operator equals "negative i h bar d over dx." It is squared and divided by "two times mass" in a formula for kinetic energy. Collisions always conserve what quantity equal to mass times velocity?
ANSWER: linear **momentum** <Science>

Social Studies

The tarpan was a European species of this animal that went extinct in the 20th century. Przewalski ("pshuh-VAHL-skee") names a type of this animal found in the Central Asian steppes. Arabian and Thoroughbred ("THUH-ruh-bred") are breeds of what equine?
ANSWER: **horse**s <Geography>

This man was shot and killed by Boston Corbett in a burning barn. For supporting this man, Mary Surratt was executed. This man broke his leg jumping onto the stage at Ford's Theater. A showing of Our American Cousin was interrupted by what man's cry "Sic semper tyrannis" after he assassinated Abraham Lincoln?
ANSWER: John Wilkes **Booth** <History>

This leader's adopted daughter was the first female fighter pilot. The Republican People's Party's flag depicts this leader's "Six Arrows," and this leader abolished the Ottoman Sultanate. The capital was moved from Istanbul to Ankara by what first president of Turkey?
ANSWER: Mustafa Kemal **Ataturk** [or Mustafa **Kemal** Pasha; or Ghazi Mustafa **Kemal**] <History>

Mathematics

(20 SEC)
What is the volume of the frustum created by cutting off the bottom 3 feet of a 10 foot tall cone with a radius of 10 feet?
ANSWER: **219 pi** cubic feet <Computational Math>

(20 SEC)
Lucy has 5 piles of sticks that contain 50 sticks each. If each stick weighs 12 grams, what is the total weight of her piles?
ANSWER: **3000** grams [accept **3** kilograms] <Computational Math>

(20 SEC)
Jeff drives 30 miles in 30 minutes on the way to work, but on the way back, he drives the 30 miles in 1 hour and 30 minutes. What is Jeff's average speed in miles per hour for the round trip?
ANSWER: **30** miles per hour <Computational Math>

Fine Arts

Note to players: composer and genre required
One of these works was dubbed “The Apotheosis of Dance” by Richard Wagner. Two E-flat major chords open one of these works dedicated to “the memory of a great man.” A short-short-short-long motif appears in the fifth of what works that include the “Eroica”.
ANSWER: **symphonies** by Ludwig van **Beethoven** [prompt on symphonies] <Fine Arts>

A member of this art movement was patronized by Edward James to create the *Lobster Telephone*. That artist from this movement painted a scene featuring ants crawling on a watch near a melting clock. The painter of *The Persistence of Memory*, Salvador Dalí, was a member of what art movement?
ANSWER: **surrealism** [accept word forms such as **surrealist**] <Fine Arts>

Year in Review

Sushila Karki was elected as leader of this country by way of a Discord poll. Protests in this country started after the government shut down 26 social media platforms, including Whatsapp and Youtube. Which country's capital is Kathmandu?
ANSWER: **Nepal**

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #4

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Je voulais être vétérinaire, mais je suis allergique aux chiens.
GERMAN: Ich wollte Tierartz sein, aber gegen Hunde bin ich allergisch.
SPANISH: Yo quería ser veterinario, pero soy alérgico a los perros.
ANSWER: **I wanted to be a veterinarian, but I'm allergic to dogs.**

Language Arts

In this novel an advertisement for Denham's Dentifrice disrupts the protagonist's attempts at memorizing the bible. After killing his boss Captain Beatty, this novel's protagonist is hunted by a Mechanical Hound. Firemen burn books in what novel by Ray Bradbury?
ANSWER: ***Fahrenheit 451*** <Literature>

This novel's narrator learns the secret identity of a cook named "Barbecue" while hiding in an apple barrel and hearing orders given to Israel Hands by Long John Silver. Name this Robert Louis Stevenson novel about pirates.
ANSWER: ***Treasure Island*** [accept ***Treasure Island*** *or the Mutiny of the Hispaniola*; accept *The* ***Sea Cook****: A Story for Boys*] <Literature>

This word is used eight consecutive times in a grammatically-correct sentence that leverages its various definitions, including "to intimidate" and a city in upstate New York, The bison is also known by what seven-letter name?
ANSWER: **buffalo** [or **Buffalo** **buffalo** **Buffalo** **buffalo** **buffalo** **buffalo** **Buffalo** **buffalo** (accept any underlined part)] <Vocabulary>

Science and Health

In order to respond to changes in this quantity, bacteria use quorum sensing. This quantity is estimated using the standard plate count technique. What quantity is about 8 billion in humans?
ANSWER: **population size** [accept **population density**; prompt on size or density]

This compound and CO2 are recycled in the Solvay process. This compound is oxidized to produce nitric acid in the Ostwald process. Artificial nitrogen fixation is used in the Haber-Bosch process to produce what compound with formula NH3?
ANSWER: **ammonia** [accept **NH3** before mentioned] <Science>

These events can be solved for using the center-of-mass frame. If these events conserve kinetic energy, they are called perfectly elastic. Name these events in which objects hit each other.
ANSWER: **collision**s [accept elastic **collision**s or inelastic **collision**s] <Science>

Social Studies

Tok Pisin is spoken in this country's island of Bougainville, which seeks independence from its mainland. The world's most linguistically diverse country is what Oceania country that has its capital at Port Moresby?
ANSWER: **Papua New Guinea** <Geography>

This industry's magnate Leland Stanford drove in a golden spike at Promontory Point. Name this industry whose major companies worked together in making a "transcontinental" line in the 1860s.
ANSWER: **rail**road industry [or **rail** transportation industry; accept **train** travel industry or **locomotive** industry or passenger **rail** industry or freight **rail** Industry] <History>

The wreck of the *Sea Venture* on its way to this colony led to the Starving Time. Tobacco cultivation in this colony was pioneered by John Rolfe, the husband of Pocahontas. Name this first permanent English colony in the Americas.
ANSWER: **Jamestown** <History>

Mathematics

(20 SEC)
If a dog and squirrel are 20 miles apart and the dog runs at a speed of 10 miles per hour while the squirrel runs at a speed of 8 miles per hour, how long will it take the dog to catch up to the squirrel?
ANSWER: **10** hours <Computational Math>

(20 SEC)
If there are 10 attendants at Connor's business meeting and everyone shakes hands with each other person exactly once, how many handshakes occur?
ANSWER: **45** handshakes <Computational Math>

(20 SEC)
If Stephanie drinks 75% of her milkshake and Cassandra drinks 80% of what remains, what percent of the original milkshake remains after Cassandra is done?
ANSWER: **5**% <Computational Math>

Fine Arts

This piece, which included a movement depicting a cart drawn by oxen, has a trumpet solo in Maurice Ravel's orchestration of it. Movements like "The Great Gate of Kiev" are included in what Modest Mussorgsky suit inspired by paintings?
ANSWER: ***Pictures at an Exhibition*** <Fine Arts>

In *Heathers*, Veronica sings a song titled for a girl with this trait "walking." Lydia sings another song titled for this trait and claims "Daddy's lost his mind for real" and is titled for her mom with this trait. What trait do Adam and Barbara acquire after being in a car accident?
ANSWER: **dead** [accept logical equivalents like **deceased**; accept "**Dead** Girl Walking"; accept "**Dead** Mom"] <Fine Arts>

Year in Review

Name this practice, pioneered by an 1800s governor of Massachusetts and now being practiced 'mid-decade' by states like California and Texas, in which states redraw district boundaries for political advantage.
ANSWER: **gerrymander**ing [prompt on redistricting] <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #5

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Avez-vous allumé des bougies sur mon gâteau d'anniversaire?
GERMAN: Haben Sie die Kerzen auf meine Geburtstagsküche angezünden?
SPANISH: ¿Usted encendió las velas encima de mi pastel de cumpleaños?
ANSWER: **Did you light the candles on my birthday cake?**

Language Arts

This author claims that "there's a pair of us!" in the poem "I'm Nobody! Who are you?" In another work, this poet recounted a carriage ride with "Immortality" and how the title concept "Kindly stopped for me." Name this reclusive "Belle of Amherst" who wrote "Because I could not stop for Death."
ANSWER: Emily **Dickinson** <Literature>

This novel features an article stating that "Napoleons" could kill without consequence, which draws the criticism of Detective Porfiry. The pawnbroker Alyosha is killed by Rodion Raskolnikov ("Ras-coal-knee-kov") in what novel by Fyodor Dostoevsky ("Daa-stow-yev-ski")?
ANSWER: ***Crime and Punishment*** <Literature>

Function words lack this property in acronyms of proper nouns, while conjunctions typically lack this property in book titles. What property is held by the first letter of the first word in a sentence and the first letter of proper nouns?
ANSWER: **capitalization** [accept word forms such as **capitalized**; accept **capital** letters; accept **uppercase**]
<Grammar>

Science and Health

This behavior is activated by the CTZ in the area postrema. Ondansetron prevents this behavior, which may be self-induced with a finger in bulimia. Name this behavior of expelling the stomach's content through the mouth.
ANSWER: **vomit**ing [or **emesis**; accept colloquial equivalents like **barfing**; prompt on nausea]

Rhizobia ("rye-ZOH-bee-uh") bacteria in roots can be used in a process named for the "fixation" of this element. In the Haber process, this element and hydrogen react to form ammonia. What element has the atomic number 7 and symbol N?
ANSWER: **nitrogen** [accept **N** before mentioned] <Science>

The strength of the quantum Hall effect is proportional to one over this quantity squared. The terminal velocity of oil droplets helped Robert Millikan determine what value, equal to about 1.6 times 10 to the negative 16 coulombs?
ANSWER: **elementary charge** [accept **e**; accept the **charge** of an **electron**; accept the **charge** of a **proton**] <Science>

Social Studies

Tourists in this state can dig up gems at its Crater of Diamonds State Park. It's not Oklahoma, but this is the southernmost state that has part of the Ozarks within it. What state has its capital at Little Rock?
ANSWER: **Arkansas** <Geography>

The validity of one side's participation in this conflict was justified through the Thornton Affair. The Treaty of Guadalupe-Hidalgo ended what conflict that saw a country led by James K. Polk clash with a southern neighbor?
ANSWER: **Mexican-American** War <History>

After this explorer died at the Battle of Mactan, Juan Sebastian Elcano completed a journey in his stead. A strait separating South America and Tierra del Fuego is named for what man, who attempted the first circumnavigation of the world?
ANSWER: Ferdinand **Magellan** [or Fernão de **Magalhães** or Fernando de **Magallanes**] <History>

Mathematics

(20 SEC)
What is the largest possible perimeter for a rectangle with integer side lengths and an area of 100?
ANSWER: **202** <Computational Math>

(20 SEC)
What is the remainder when $2x^2 - 5x + 3$ ("two x squared minus five x plus three") is divided by $x - 3$ ("x minus three")?
ANSWER: **6** <Computational Math>

(20 SEC)
What is the value of x if $x + y = 5$ ("x plus y equals 5") and $3x + 4y = 18$ ("three x plus four y equals eighteen")?
ANSWER: **2** <Computational Math>

Fine Arts

This composer, who mentored the group Les Six, repeated a motif 840 times in his *Vexations*. Name this French composer who used the name of a Greek festival to title his *Gymnopedies*.
ANSWER: Erik **Satie** <Fine Arts>

A Passion facade on this building was designed by Josep Subirachs. People like the 12 Apostles will be represented by the 18 spires of what unfinished Barcelona basilica designed by Antoni Gaudi?
ANSWER: La **Sagrada Familia** <Fine Arts>

Year in Review

What US politician was given the nickname “Meatball” by Donald Trump during his 2024 presidential campaign and currently serves as the governor of Florida?
ANSWER: Ronald “Ron” **DeSantis** <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #6

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Tu serais chez grand-mère pour Hanoukka?
GERMAN: Wirst du im Haus deiner Omas zu Chanukka sein?
SPANISH: ¿Usted estará en la casa de su abuela por Jánuca?
ANSWER: **Will you be at your grandma's house for Hanukkah?**

Language Arts

This author included the poems "La Figlia Che Piange" ("lah FILL-yah keh PYAHN-jeh") and "Portrait of a Lady" in a collection titled for a character who hears "mermaids singing" and asks "Do I dare to eat a peach?" What poet of "The Love Song of J. Alfred Prufrock" wrote the line "April is the cruellest month" to open "The Waste Land?"
ANSWER: T. S. **Eliot** [or Thomas Stearns **Eliot**] <Literature>

A woman in this play addresses a monologue to her dad as a white mouse with red eyes, and collapses after her husband tells her their imaginary son died while swerving to avoid a porcupine. Martha and George play "Bringing Up Baby" and "Get the Guests" in what play by Edward Albee partially titled for the author of *Mrs. Dalloway*?
ANSWER: ***Who's Afraid of Virginia Woolf?*** <Literature>

This punctuation mark separates each subsection in multilevel numbered headings. What punctuation mark appears at the end of abbreviations and sentence-long statements?
ANSWER: **period** [or **full stop**] <Grammar>

Science and Health

This process can be triggered extrinsically by the Fas ligand or intrinsically by cytochrome c. This process causes DNA laddering and blebbing of the cell membrane. Name this form of programmed cell death.
ANSWER: **apoptosis** [prompt on programmed cell **death**] <Science>

This scientist discovered that pitchblende is much more chemically active than uranium. Identify this French-Polish chemist who likely died from radiation poisoning and was the first woman to win a Nobel Prize.
ANSWER: Marie **Curie** [or Marie **Sklodowska-Curie**] <Science>

These structures can create crystallized plagioclase feldspar with hair-like glass extrusions known as Pele's hair. What structures eject lava and ash?
ANSWER: **volcano**es <Science>

Social Studies

Give the shared name of the following: a valley in Colorado's Front Range, a plateau region in Appalachian North America, and the second largest region of Italy, located in the country's northwest near the Alps.
ANSWER: **Piedmont**

This man was accompanied by Samuel Prescott and William Dawes on a journey that was signalled by lanterns near Boston's Old North Church. What silversmith apocryphally stated "the British are coming" on his Midnight Ride?
ANSWER: Paul **Revere** <History>

This man wrote for the socialist magazine *Avanti!* and was the leader of the Republic of Salo puppet state before being executed by partisans. The March on Rome led to the rise of what Italian Fascist ruler?
ANSWER: Benito **Mussolini** [or Benito Amilcare Andrea **Mussolini**] <History>

Mathematics

(20 SEC)
If the sine of angle A is 3/5, what is the sine of an angle whose measure is twice A?
ANSWER: **24/25** [or 0**.96**] <Computational Math>

(20 SEC)
What is the probability of getting a prime number when multiplying the results from two fair six-sided dice?
ANSWER: **⅙** ("one-sixth" or "one over six") <Computational Math>

(20 SEC)
A cube of side length 5 meters has a hole shaped like a cube of side length 2 meters cut out of one corner. What is the surface area of the created shape?
ANSWER: **150** square meters <Computational Math>

Fine Arts

This composer quoted the drinking song "Gaudeamus igitur" in the finale of his *Academic Festival Overture*. This composer quoted the Luther Bible in a piece that commemorates the death of his mother. Name this composer of *A German Requiem* and a namesake "Lullaby."
ANSWER: Johannes **Brahms** <Fine Arts>

For one of these buildings, the Bankside Power Station was converted by the architecture firm Herzog & de Meuron. Frank Lloyd Wright created a spiral ramp for the Solomon R. Guggenheim, one of what buildings exemplified by the Met?
ANSWER: **art museum**s [or **art gallery** or **art galleries**] <Fine Arts>

Year in Review

Note: Two answers required. Hamid Karzai, who served as the 7th president of this country, recognized Crimea as annexed by this other country in 2014. In 2025, one of these countries was the first UN member to recognize the other's Taliban-led Islamic Emirate. What two countries maintain embassies in each other's capitals of Kabul and Moscow?
ANSWER: **Afghanistan and Russia** <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #7

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Elle a ouvert des cadeaux, mais il n'a que mangé des biscuits.
GERMAN: Sie hat Geschenke geöffnet, aber er hat nur Plätzchen gegessen.
SPANISH: Ella abrió regalos, pero él solo comió galletas.
ANSWER: **She opened presents/gifts, but he only ate cookies.**

Language Arts

A character in this novel buys the world's supply of Egyptian cotton, but can't sell any of it. An IBM machine with a sense of humor in this novel promotes a man to Major Major Major Major. The character Yossarian is the protagonist of what World War II novel by Joseph Heller?
ANSWER: ***Catch-22*** <Literature>

This poem's title figure is equated with a symbol "so black no sky could squeak through." The fairy tale-like line "You do not do, you do not do" that starts this poem devolves into the declaration "Every woman adores a Fascist." A man with a "Meinkampf look" is the subject of what Sylvia Plath poem inspired by her father's cruelty?
ANSWER: "**Daddy**" <Literature>

In a series by this author, a suicidal charge at Kadir in the First Gurkish War cripples the torturer Sand dan Glokta. What grimdark author of *The Age of Madness* created Logen Ninefingers in the *First Law* trilogy?
ANSWER: Joe **Abercrombie** <Literature>

Science and Health

Organisms using this pathway store malate in their vacuoles ("VAK-yoo-oles") and open their stomata at night. What photosynthesis pathway separates steps temporally and is used by many desert plants?
ANSWER: **CAM** ("cam") photosynthesis [or **crassulacean acid metabolism**; prompt on photosynthesis] <Science>

This compound is produced industrially using vanadium pentoxide as a catalyst in the contact process. This acid serves as the electrolyte in lead-acid car batteries and is the only diprotic strong acid. Name this compound with formula H_2SO_4.
ANSWER: **sulfuric scid** [or **H_2SO_4** before mentioned]

This astronomer noticed a discrepancy of 8 arcminutes in his boss Tycho Brahe's measurements of Mars that led him to question uniform circular motion. What astronomer discovered the elliptical orbits of the planets and created three "laws of planetary motion"?
ANSWER: Johannes **Kepler** <Science>

Social Studies

Old-growth groves of these trees were destroyed during the 2020 CZU fire in Big Basin State Park. Name this species, whose namesake Northern California national park is home to Hyperion, the tallest living tree in the world.
ANSWER: coast **redwood** (or ***Sequoia sempervirens***; although redwoods can broadly refer to the subfamily, redwood is an acceptable colloquial stand-in for the coast redwood) <Geography>

This man, whose boat named *Liberty* was confiscated before the Boston Massacre, was the longest-serving president of the Continental Congresses. What man's signature is the largest on the Declaration of Independence?
ANSWER: John **Hancock** <History>

In this city, Booker T. Washington declared "Cast down your bucket where you are" in a namesake "Compromise." MLK was a leader of the Ebenezer Baptist Church in what capital city of Georgia?
ANSWER: **Atlanta** [accept **Atlanta** Compromise] <History>

Mathematics

(20 SEC)
Edward has a fair spinner numbered 1 through 10 and a fair dice numbered 1 through 6. If Edward spins the spinner, rolls the dice, and then multiples the results, what is the probability that his product is 30?
ANSWER: **1/20** <Computational Math>

(20 SEC)
A goat is tied to a corner of a 100 meters by 100 meters grassy field by a rope that is 14 meters long. Calculate the area of grass that the goat can reach.
ANSWER: **49pi** meters squared

(20 SEC)
Damian is making a blueprint for the design of a new school where every centimeter on his blueprint corresponds to 1.5 meters of school. What is the area of the real playground if it is a rectangle on the blueprint with dimensions of 12 centimeters by 7 centimeters?
ANSWER: **189** square meters <Computational Math>

Fine Arts

This instrument's virtuoso Egon Petri popularized a solo symphony for it by Charles-Valentin Alkan. A whip crack opens Ravel's concerto for this instrument. The *Suite Bergamasque* that was written for this instrument includes the movement *Clair de Lune*. Claude Debussy often wrote pieces for what instrument with 88 black and white keys?
ANSWER: **piano** [or **piano**forte] <Fine Arts>

This object was parodied by Banksy with the help of a yellow security alarm. This object appears in the title of a painting dubbed the "Mona Lisa of the North" that depicts an enigmatic woman wearing a blue and yellow turban. A Jan Vermeer portrait is titled for a girl with what piece of jewelry?
ANSWER: pearl **earring** [accept *Girl With a **Pearl** Earring*] <Fine Arts>

Year in Review

What historically-Republican state is governed by a coalition caucus of Democrats, independents, and moderate Republicans in its legislature and recently was the site of an in-person meeting between Donald Trump and Vladimir Putin?
ANSWER: **Alaska** <Current Events>

THE LONG ISLAND QUIZ BOWL ALLIANCE

Kansas Varsity #8

These questions to be used by licensed persons or organizations only. If you do not have a license, please delete or throw away these questions.
To obtain a license or to contact us with questions of any kind, please email Joe@liqba.com or call (631)-360-3724
These questions may be used at other events in your area. As

World Language

The next three sentences you hear are the same sentence, but in French, German, and Spanish. Translate it into English.
FRENCH: Tous les jours, nous sommes assis l'un à côté de l'autre en biologie.
GERMAN: Jeden Tag setzen wir nebeneinander auf Biologie.
SPANISH: Nosotros nos sentamos al lado del otro en biología cada día.
ANSWER: **We sit next to each other every day in biology.** (every day can go anywhere in the sentence)

Language Arts

Upon returning to her childhood town, one of this author's characters is disappointed when her father introduces a man who makes a racist speech. In a novel by this author, Jean Louise returns to her hometown of Maycomb, Alabama. Name this author whose book *Go Set a Watchman* is an early draft of her novel *To Kill a Mockingbird*.
ANSWER: Harper **Lee** [or Nelle Harper **Lee**] <Literature>

People who tried to end this literary event are called a "pack of crazy fools." Old Man Warner, who has attended this event 77 times, states that "corn be heavy soon" due to this event. Tessie Hutchinson is stoned to death after "winning" what event in a Shirley Jackson story?
ANSWER: **lottery** [accept "The **Lottery**"] <Literature>

This construction is used twice in litotes ("lie-TOH-tees"), which emphasize affirmations by using the "double" form of this construction. What construction creates the opposite meaning of a sentence, often using the word "not?"
ANSWER: **negation** [accept double **negative**s] <Grammar>

Science and Health

This scientist names a paradox asking how coral reefs flourish in nutrient-poor waters, and he catalogued adaptive radiation by studying the beaks of finches in the Galapagos. Name this author of *On the Origin of Species*.
ANSWER: Charles **Darwin** <Science>

This scientist demonstrated that combustion requires oxygen, disproving the phlogiston theory and establishing the law of conservation of mass before. Name this father of modern chemistry executed during the French Revolution.
ANSWER: Antoine **Lavoisier** [or Antoine-Laurent de **Lavoisier**] <Science>

This sedimentary rock is the main source of a powder mostly composed of calcium oxide. What rock primarily composed of calcite and aragonite is used for cement?
ANSWER: **limestone** [reject "lime"] <Science>

Social Studies

This man proposed the concept of "socially-necessary labor time" to explain his labor theory of value, and the concept of Dialectical Materialism is based on his writings like *Das Kapital*. What thinker wrote *The Communist Manifesto* along with Friedrich Engels?
ANSWER: Karl **Marx** <Social Science>

The use of "spectral evidence" during this event was described in the book *Wonders of the Invisible World* by Cotton Mather. Betty Paris and Abigail Williams made accusations during this event, which saw the arrest of the slave Tituba. Name this event where supposed practitioners of black-magic were targeted in a Massachusetts town.
ANSWER: **Salem Witch** Trials <History>

The perpetrator of this event worked at a book depository and was later murdered by nightclub owner Jack Ruby. What event captured on the Zapruder film was perpetrated by Lee Harvey Oswald?
ANSWER: **assassination of JFK** [accept equivalents, such as **JFK's murder** or **JFK's death**; accept "Kennedy" in place of "JFK"] <History>

Mathematics

(20 SEC)
At the end of a game of soccer, Azerbaijan scored 3 goals and Benin scored 4 goals. How many possible half time scores were there?
ANSWER: **20**

(20 SEC)
If two triangular numbers sum to 31, what is their positive difference?
ANSWER: **11**

(20 SEC)
If repeating digits are allowed, what is the difference between the largest 5-digit number and the smallest 5-digit number without a leading zero formed using the digits 0, 1, 5, 6?
ANSWER: **56666**

Fine Arts

A piece in this genre based on the lost island of Ys ("eess") is named "The Sunken Cathedral." The flute chromatically descends from C-sharp to G in a piece in this genre inspired by a Stephen Mallarme poem. Claude Debussy wrote a piece in what genre "to the Afternoon of a Faun."
ANSWER: **prelude** <Fine Arts>

This artist is said to have yelled "speak" at his sculpture of Habakkuk ("HA-bah-kuhk") titled *La Zuccone* ("zoo-KOH-nay"). What Italian sculptor of *Gattamelata* ("GAH-tah-mah-LAH-tah") created a helmeted, nude, bronze depiction of David?
ANSWER: **Donatello** [or **Donato** Bardi or Donato di Niccolò di Betto **Bardi**] <Fine Arts>

Year in Review

Two of these institutions based in Greenwich and Kent will merge to overcome falling revenues from international enrolments. A widespread insolvency crisis is faced by what UK institutions, whose Russell Group includes Oxford and Cambridge?
ANSWER: **universities** [prompt on schools] <Current Events>