<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Etymology</strong></td>
<td><strong>1. Literary Sidekicks</strong></td>
</tr>
<tr>
<td>The name for what device used for centuries in clocks comes from the Latin word &quot;pendulus&quot; which means &quot;hanging&quot;?</td>
<td>Samwise Gamgee was whose sidekick?</td>
</tr>
<tr>
<td><strong>2. Historical Poetry</strong></td>
<td><strong>2. Earth Science Anagrams</strong></td>
</tr>
<tr>
<td>These words are from a Ralph Waldo Emerson poem named for what city?</td>
<td>&quot;Gamier&quot; is an anagram for what optical phenomenon in which the illusion of water is created from light distorted by alternate layers of hot and cool air?</td>
</tr>
<tr>
<td>The cargo came! and who could blame</td>
<td></td>
</tr>
<tr>
<td>If Indians seized the tea,</td>
<td></td>
</tr>
<tr>
<td>And, chest by chest, let down the same</td>
<td></td>
</tr>
<tr>
<td>Into the laughing sea?</td>
<td></td>
</tr>
<tr>
<td>For what avail the plough or sail</td>
<td></td>
</tr>
<tr>
<td>Or land or life, if freedom fail?</td>
<td></td>
</tr>
<tr>
<td><strong>3. Cubes</strong></td>
<td><strong>3. Predicates</strong></td>
</tr>
<tr>
<td>What is the shape of a cross section that cuts through one of the corners of a cube?</td>
<td>How many words are not in the predicate of this sentence?</td>
</tr>
<tr>
<td></td>
<td>A month later she became the first female pilot to solo around the world.</td>
</tr>
<tr>
<td><strong>4. Latin America</strong></td>
<td><strong>4. Ladders</strong></td>
</tr>
<tr>
<td>Name the northernmost Latin American nation.</td>
<td>You start on the middle rung of a ladder. Then you go up 6 rungs, then down 9, then up 5, and finally up 10 to the top rung. How many rungs are on this ladder?</td>
</tr>
<tr>
<td><strong>5. Sentiments</strong></td>
<td><strong>5. Syllabication</strong></td>
</tr>
<tr>
<td>What is the collective name for these kinds of beliefs?</td>
<td>What is the first disyllabic word in the &quot;Pledge of Allegiance&quot;?</td>
</tr>
<tr>
<td>-Mistletoe in a house protects it from lightning</td>
<td></td>
</tr>
<tr>
<td>-Put salt on the doorstep of a new home and no evil can enter.</td>
<td></td>
</tr>
<tr>
<td>-Seeing a spider run down a web in the afternoon means you'll take a trip.</td>
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<tr>
<td>TOSSUP</td>
<td>BONUS</td>
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</tr>
<tr>
<td>6. Poetic Physics</td>
<td>5. Relationships</td>
</tr>
<tr>
<td>This refers to what phenomenon of sound? The shadow of a sound, a voice without a mouth, and words without a tongue.</td>
<td>What is the term for someone who is related to you as the result of being the child of your uncle or aunt?</td>
</tr>
<tr>
<td>7. Wars</td>
<td>7. Phrases</td>
</tr>
<tr>
<td>The French and Indian Wars ultimately decided whether France or England would rule what continent?</td>
<td>What is the last prepositional phrase in the first verse of Francis Scott Key's poem, &quot;The Star-Spangled Banner&quot;?</td>
</tr>
<tr>
<td>8. Homonyms</td>
<td>8. Forest Climates</td>
</tr>
<tr>
<td>What term can refer to a type of tropical tree or the front inner surface of the hand?</td>
<td>In what type of forest is it hot and humid all year around?</td>
</tr>
<tr>
<td>9. Collection Counts</td>
<td>9. Forms of Literature</td>
</tr>
<tr>
<td>Beth, Meg, and Amy all collect auk statuettes. Beth has 220 of them and Meg has twice as many as Beth. Since Amy has as many as Beth and Meg together, how many auk statuettes does she have?</td>
<td>These are titles of what kind of stories? The Shepherd Boy and the Wolf The Fox and the Grapes The Hare and the Tortoise</td>
</tr>
<tr>
<td>Formerly, astronomers had relied on eyesight and mathematics alone. But in 1609, what Italian devised an instrument for himself which enabled him to see craters on the Moon, four moons orbiting Jupiter, and hundreds of stars too faint to be visible to the naked eye?</td>
<td>Who is the central character in Maurice Sendak's story, &quot;Where the Wild Things Are&quot;?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>echo</th>
<th>cousin</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America of the brave</td>
<td></td>
</tr>
<tr>
<td>palm</td>
<td>tropical rain forest</td>
</tr>
<tr>
<td>680</td>
<td>tables</td>
</tr>
<tr>
<td>Galileo</td>
<td>Max</td>
</tr>
</tbody>
</table>
### TOSSUP

<table>
<thead>
<tr>
<th>11. Drainages</th>
<th>12. Technological Developments</th>
</tr>
</thead>
<tbody>
<tr>
<td>All U.S. streams east of the Continental Divide flow into one of two bodies of water. Name both.</td>
<td>This is about what common device? Take away the lead which is behind the glass and there will be no image of the one looking in.</td>
</tr>
</tbody>
</table>

### BONUS

<table>
<thead>
<tr>
<th>11. Fantasies</th>
<th>12. Astronomy</th>
</tr>
</thead>
<tbody>
<tr>
<td>What story by J.K. Rowling begins with this? Mr. and Mrs. Dursley, of number four, Privet Drive, were proud to say that they were perfectly normal, thank you very much. They were the last people you'd expect to be involved in anything strange or mysterious, because they just didn't hold with such nonsense.</td>
<td>What is the term for self-luminous heavenly bodies?</td>
</tr>
</tbody>
</table>
TOSSUP

1. Abbreviations
   What is the meaning of the first word in the abbreviation, "a.m."?

2. Detention Facilities
   While prisons are generally intended for long term incarceration, what facilities usually hold prisoners awaiting trial or those serving relatively short sentences of less than a year?

3. Prefixes
   What is the meaning of the prefix in words such as multifarious, multitude, and multiplex?

4. Organs
   In what organ is the fovea, the retina, and the cornea?

5. Detective Stories
   The tale of "Emil and the Detectives" is set in what country?

BONUS

1. Sentence Transformation
   Transform this declarative sentence into an interrogative sentence.
   It was a six-eared alien.

2. Pot Word Problems
   Hazel bought a new cauldron for $244.40. She paid for it in equal weekly payments during the course of an entire year. How much was each weekly payment?

3. Archaeology
   This is about what archaeological site?
   Precariously perched on a mountain shoulder high in the Andes, this citadel remained hidden for four centuries until Hiram Bingham drew back the green veil of the jungle in 1911.

4. Transportation
   Animals used to transport loads in Arctic regions include dogs and what antlered mammals?

5. Musicals
   These are lyrics from a song in what musical?
   I'm gonna be a mighty king
   So enemies beware!
   Well, I've never seen a king of beasts
   With quite so little hair
   I'm gonna be the mane event
   Like no king was before
   I'm brushing up on looking down
   The mending up my ROAR
   Germany
   The Lion King
TOSSUP

6. Tall Tales
This is about what legendary creature?
Folks that stared at him for five minutes could see him growing right before their eyes. He grew so big that 42 axe handles plus a plug of tobacco could fit between his eyes and it took a murder of crows a whole day to fly from one horn to the other.

7. Botched Metaphors
What animal should be in this metaphor?
You're putting the chicken before the cart.

8. Ice
Ice floats on water because what property of frozen water is less than that of liquid water?

9. Sam Adams Says
This statement by Samuel Adams relates to what constitutional amendment?
The Constitution shall never be construed to prevent the people of the United States who are peaceable citizens from keeping their own arms.

BONUS

6. Gold
One summer, some friends from Michigan went mining in Alaska and extracted 14 pounds of gold. If the value of gold was $1350 per ounce, how much did these Michigan miners gross that summer?

7. Creature Fatalities
What kind of creature meets her end in the poem that includes these lines?
At last, up jumped the cunning Spider, and fiercely held her fast.
He dragged her up his winding stair, into his dismal den,
Within his little parlor -- but she ne'er came out again!

8. Temperature Extremes
What is the difference between the highest temperature ever recorded at 159 degrees F in the Lut Desert of Iran and the coldest recorded temperature of 129 degrees F below zero in Antarctica?

9. Fantasy Professions
What did all of these fictional women practice?
Bathsheba Babbling, Madame Puddifoot,
Alice Longbottom, Daphne Greengrass,
Bathilda Bagshot, Walburga Black, Helga Hufflepuff, Amelia Bones, Lavender Brown

10. Imaginary Locations
Who is the central character in the series of fantasies that include these locations?
Little Whinging, Slughorn and Jiggers Apothecary,
Knockturn Alley, Godric's Hollow,
The Leaky Cauldron, Malfoy Manor

10. Planetary Rings
Although all of the gas giants have rings, those of which planet are the largest?

Harry Potter

Saturn
TOSSUP

11. **Body Systems**
The functions of what body system include protection of internal structures, prevention of entry of disease-causing microorganisms, temperature regulation, excretion through perspiration, pigmented protection against ultraviolet sunrays, and production of vitamin D?

12. **Cookie Botany**
Macaroons are usually made with the ground fruit of what tropical evergreen?

---

BONUS

11. **Arabian Literature**
In an "Arabian Nights" story, what woodcutter learns of the power of the command, "Open Sesame"?

12. **Landforms**
The states of Baja California and Baja California Sur occupy what kind of landform?
<table>
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<tbody>
<tr>
<td><strong>1. Psychology</strong>&lt;br&gt;What is the collective term for anger, fear, joy, delight, despair, disgust, hate, and love?</td>
<td><strong>1. Clouds</strong>&lt;br&gt;Wispy or featherlike clouds are cirrus. Puffy or heaped-up clouds are cumulus. What type of clouds are layered?</td>
</tr>
<tr>
<td><strong>2. Number Problems</strong>&lt;br&gt;What are the two consecutive integers given that their sum is 25?</td>
<td><strong>2. Inventions</strong>&lt;br&gt;Around 8000 B.C., Australian aborigines invented what wooden weapon?</td>
</tr>
<tr>
<td><strong>3. Meteorological Phenomena</strong>&lt;br&gt;What phenomenon similar to a rainbow is produced by light reflected from Earth's natural satellite?</td>
<td><strong>3. Bottle Poems</strong>&lt;br&gt;What is in the bottle described in this ditty?&lt;br&gt;Shake and shake&lt;br&gt;The ---- bottle.&lt;br&gt;None will come,&lt;br&gt;And then a loatt'll.</td>
</tr>
<tr>
<td><strong>4. Presidents</strong>&lt;br&gt;The names of what two American presidents end with &quot;-ton&quot;?</td>
<td><strong>4. Performer Prefixes</strong>&lt;br&gt;Assuming all the groups consisted of different people, how many musicians performed at a music festival that featured a duet, a trio, a quartet, two septets, and an octet?</td>
</tr>
<tr>
<td><strong>5. Documents</strong>&lt;br&gt;What set of rules was replaced in 1789 by the Constitution of the United States?</td>
<td><strong>5. The Parthenon</strong>&lt;br&gt;The Parthenon was built in Athens during the fifth century B.C. in honor of which goddess?</td>
</tr>
</tbody>
</table>

---

*emotions*  
*stratus*  
*12 and 13*  
*boomerang*  
*moonbow (lunar rainbow, lunar bow)*  
*catapult*  
*Washington, Clinton*  
*Athena*
**TOSSUP**

6. **Galaxies**
The light from millions of stars located along the plane of our galaxy is popularly known as the ...

7. **Heroines**
What was the nationality of Joan of Arc?

8. **Sets**
While overlapping sets contain some of the same elements, what kind of sets contain exactly the same elements?

9. **Heavenly Objects**
What object in the solar system has a mass about 300,000 times that of Earth?

10. **Astronomy**
What is this passage about? They are areas into which the sky has been divided for identifying and naming celestial objects. The first ones were simple, arbitrary patterns of stars in which early civilizations visualized gods, sacred beasts, and mythical heroes.

**BONUS**

6. **Pollution**
What kind of pollution may involve barking dogs, car alarms, mechanical equipment, construction, aircraft, motorcycles, or loud music?

7. **Waves**
Reflected sound waves are called ...

8. **Native Americans**
What tribe of American Indians that inhabited the region of Georgia and Alabama now makes its home in the southeasternmost state?

9. **Balloons**
What happens to a balloon inflated with air at sea level as you take it deeper and deeper under water?

10. **U.S. States**
Under the Articles of Confederation, the United States included how many fewer states than those comprising the U.S. today?
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
</table>
| 11. **State Names**
In an alphabetical list of the U.S. states with "New" in their names, which is first? | 11. **Silverstein**
According to Shel Silverstein, what ends ...
before the street begins,
And there the grass grows soft and white,
And there the sun burns crimson bright,
And there the moon-bird rests from his flight
To cool in the peppermint wind? |
| **New Hampshire** | **the sidewalk** |
| 12. **Zoology**
According to the Latin derivation of the term, bipeds have two ... | 12. **Antonyms**
Change the word "happy" into its antonym by adding two letters, |
| | **feet** | **unhappy** |
**TOSSUP**

1. **Historical Math**
   In 1807, Robert Fulton's steamboat Clermont made its first run to Albany from New York in 32 hours, averaging 5 miles per hour. The trip covered how many miles?

2. **Supercentenarians**
   About a month prior to his death in July of 2009, Guinness World Records had confirmed that Henry Allingham, a British World War I veteran, was the world's oldest living man. Since he had just celebrated his 113th birthday that June, in what year was he born?

3. **Sentence Types**
   What mood is illustrated by these sentences?
   - Get out and stay out!
   - Please don't do that anymore.
   - Be back by noon.

4. **Witches**
   What wise witch was created by Tomie de Paola?

5. **Adjectives**
   "Better" is the comparative form of what adjective?

---

**BONUS**

1. **Fictional Animals**
   What kind of animals are these?
   - Hathi
   - Babar
   - Horton
   - Stroks
   - Kala Nag

2. **Lyrical Descriptions**
   What kind of reptile has been described poetically as a four-oared helmet?

3. **Expanded Product Lines**
   During World War I, Ford Motor Company began production of what vehicles used in commercial agriculture?

4. **Planets**
   Name the innermost and smallest planet.

5. **Award-Winning Books**
   What story by Linda Sue Park tells of an orphan Korean boy, Tree-ear, and his persistent interest in making pottery?

   - Strega Nona
   - Mercury
   - A Single Shard
TOSSUP

6. **Government**
   Judges are officials in which branch of American government?

7. **Seasons**
   What season is it in Europe when the Northern Hemisphere is tilted toward the Sun?

8. **Stories**
   What story by Richard Peck that features Alexander Armsworth, Blossom Culp, Uncle Miles Armsworth, and Inez Dumain is about a ghost that desires to be buried with her family in New Orleans?

BONUS

6. **Weight Problems**
   If Al's weight is 5/2 that of Ben's, what is the ratio of Ben's weight to their total weight?

7. **American Regions**
   On an alphabetical list of the U.S. states in the Pacific Northwest, which is last?

8. **Infections**
   Appendicitis is an inflammation of what organ?

9. **Borders**
   What U.S. state has the longest border with Canada?

10. **The Earth**
    The portion of the Earth consisting of ice masses, snow deposits, continental ice sheets, glaciers, sea, lake, and river ice is known as what sphere?
<table>
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</thead>
<tbody>
<tr>
<td><strong>11. Compasses</strong></td>
<td><strong>11. Purchase Computations</strong></td>
</tr>
<tr>
<td>What intercardinal point is between NNW and WNW?</td>
<td>Zeke is purchasing a tractor. He made a down payment of $4,000 and has so far made five monthly payments of $265. How much has he paid so far?</td>
</tr>
<tr>
<td>NW (or northwest)</td>
<td></td>
</tr>
<tr>
<td><strong>12. Wet Regions</strong></td>
<td><strong>12. Gas Computation</strong></td>
</tr>
<tr>
<td>What is a term for an area of waterlogged, spongy ground, generally consisting of acidic decaying vegetation that may develop into peat?</td>
<td>Since Henrietta knows she can travel 300 miles on 13 gallons of gas, how many gallons will she need to go 450 miles?</td>
</tr>
<tr>
<td>bog (moor, swamp, marsh, muskeg, etc.)</td>
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<tr>
<td>TOSSUP</td>
<td>BONUS</td>
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<td>---------------------------------------------</td>
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</tr>
<tr>
<td>1. Drama</td>
<td>1. Settings</td>
</tr>
<tr>
<td>What major divisions of a play are signified</td>
<td>What country is the setting for Lucy</td>
</tr>
<tr>
<td>by the dropping of the curtain?</td>
<td>Bosten's &quot;Green Knowe&quot; stories?</td>
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<tr>
<td></td>
<td>acts</td>
</tr>
<tr>
<td>2. The Earth</td>
<td>2. Climates</td>
</tr>
<tr>
<td>The two fundamental motions of the Earth are</td>
<td>Name the driest state in the U.S.</td>
</tr>
<tr>
<td>revolution and what other?</td>
<td></td>
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<td></td>
<td>rotation</td>
</tr>
<tr>
<td>3. Wonderland</td>
<td>3. Rivers</td>
</tr>
<tr>
<td>What character in &quot;Alice's Adventures in</td>
<td>What is the term for a shallow place</td>
</tr>
<tr>
<td>Wonderland&quot; says this?</td>
<td>where people can walk or ride a vehicle or</td>
</tr>
<tr>
<td>A dog growls when it's angry, and wags its</td>
<td>horse across a river?</td>
</tr>
<tr>
<td>tail when it's pleased. Now I growl when I'm</td>
<td></td>
</tr>
<tr>
<td>pleased and wag my tail when I'm angry.</td>
<td></td>
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<td></td>
<td>Nevada</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>What state is between Kentucky and</td>
<td>What word should have been omitted in this</td>
</tr>
<tr>
<td>Alabama?</td>
<td>line?</td>
</tr>
<tr>
<td></td>
<td>The amendment addressing the special</td>
</tr>
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<td></td>
<td>circumstances of underpaid teachers will</td>
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<td></td>
<td>make a good piece of legislation more</td>
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<tr>
<td></td>
<td>better.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5. No Confidence</td>
<td>5. Astronomical Jargon</td>
</tr>
<tr>
<td>In 1903, Bishop Milton Wright said &quot;It is</td>
<td>What is the name for a star and all the</td>
</tr>
<tr>
<td>only given to God and angels to fly.&quot; Name</td>
<td>planets and other bodies that orbit it?</td>
</tr>
<tr>
<td>his two children who just a few days later</td>
<td></td>
</tr>
<tr>
<td>showed their father to be absolutely wrong.</td>
<td></td>
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<tr>
<td>Tennessee</td>
<td></td>
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<tr>
<td>more</td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilbur, Orville</td>
<td>planetary (solar) system</td>
</tr>
<tr>
<td>TOSSUP</td>
<td>BONUS</td>
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</tr>
<tr>
<td><strong>6.</strong> Animal Armor</td>
<td><strong>6.</strong> Military Money Matters</td>
</tr>
<tr>
<td>What structures on many fish are used as armor?</td>
<td>An attack jet and a tank cost $40 million. If the jet costs $30 million more than the tank, what is the cost of the tank?</td>
</tr>
<tr>
<td><strong>7.</strong> Poems</td>
<td><strong>7.</strong> Sensation</td>
</tr>
<tr>
<td>What two words complete this stanza?</td>
<td>What term ending in a silent &quot;b&quot; means insensible or lacking in feeling due to cold?</td>
</tr>
<tr>
<td>This is the maiden all forlorn,</td>
<td></td>
</tr>
<tr>
<td>That milked the cow with the crumpled horn,</td>
<td></td>
</tr>
<tr>
<td>That tossed the dog,</td>
<td></td>
</tr>
<tr>
<td>That worried the cat,</td>
<td></td>
</tr>
<tr>
<td>That killed the rat,</td>
<td></td>
</tr>
<tr>
<td>That ate the malt</td>
<td></td>
</tr>
<tr>
<td>That lay in the house that...</td>
<td></td>
</tr>
<tr>
<td><strong>8.</strong> Paleontology</td>
<td><strong>8.</strong> Nonfiction</td>
</tr>
<tr>
<td>Fossils of the extinct mastodon indicate that it was similar to what present day mammal?</td>
<td>Harold and Doris Faber's work, &quot;We the People,&quot; is about what historical document?</td>
</tr>
<tr>
<td><strong>9.</strong> Multiplication</td>
<td><strong>9.</strong> Blades</td>
</tr>
<tr>
<td>If any factor in a multiplication problem is zero, the product will be what?</td>
<td>What long knife with a broad blade is used either for cutting vegetation or as a weapon?</td>
</tr>
<tr>
<td><strong>10.</strong> Offenses</td>
<td><strong>10.</strong> Figurative Language</td>
</tr>
<tr>
<td>What is the legal term for intrusion onto someone else's property?</td>
<td>What figure of speech is illustrated in these lines?</td>
</tr>
<tr>
<td></td>
<td>-The sky roared and threw lightning around.</td>
</tr>
<tr>
<td></td>
<td>-That cake is really calling me.</td>
</tr>
<tr>
<td></td>
<td>-The leaves danced in the wind.</td>
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<td></td>
<td>-The sun peeked from behind a cloud.</td>
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### TOSSUP

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<tbody>
<tr>
<td><strong>11. Slogans</strong></td>
<td><strong>11. Zoology</strong></td>
</tr>
<tr>
<td>This is a parody of what slogan that was popular in the thirteen colonies during the 1750s and 1760s? Taxation with representation isn't so hot either.</td>
<td>Name any creature that fits this description. Although ancient people believed they were fish, cetaceans are aquatic mammals that bear live young, produce milk to feed their offspring, and have a bit of hair.</td>
</tr>
</tbody>
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<tbody>
<tr>
<td>What kind of art may involve carving, chiseling, welding, casting, or molding?</td>
<td>The name for what heavenly body is spelled with the initials of the 6th, 7th, and 8th planets out from the center of the solar system?</td>
</tr>
</tbody>
</table>

| No taxation without representation | whales (dolphins, seals, walruses, porpoises) |
| sculpture | Sun |
TOSSUP

1. **Adages**
   According to the adage, when is it always darkest?

2. **States**
   Which U.S. state can be approached from all directions by water?

3. **Tides**
   What kind of tide occurs when ocean water flows as far inland as it can?

4. **Weaponry**
   What did Germany use to sink some 875,000 tons of Allied shipping in April of 1917?

5. **Number Problems**
   The difference between 9 and what number is 3?

BONUS

1. **Fantasies**
   In "The Phantom Tollbooth," the watchdog named Tock has the body of what device?

2. **Native Civilizations**
   The Inca civilization was on what continent?

3. **Banners**
   What kind of snake is depicted on the early American "Don't Tread on Me" flag?

4. **States of Matter**
   Matter in which phase is most easily compressible?

5. **Heavenly Sights**
   What is taking place if all you can see of the Sun is its corona?
6. **The Atmosphere**
Which layer of the atmosphere is about 5 miles thick at the poles and 12 miles thick at the equator?

6. **Word Squares**
What letter is missing in the simple word square if the first horizontal word is "as" and the first vertical word is "at"?

7. **Energy Transformations**
In a coal-fired power plant, chemical energy in the coal is converted into thermal energy, which is then converted to kinetic energy in steam, which is then converted to mechanical energy in a turbine, which is then converted into what other form of energy?

7. **Geographical Divides**
The Eastern Continental Divide of the United States runs along what mountain range?

8. **Figurative Language**
What figure of speech is used in this caption for a cartoon?
Creepy Cat Cooks Cocker Spaniel
for Crazy Carnivorous Cows

8. **Ancient Weapons**
A variant of what lightweight spear used as a weapon in ancient Rome is thrown in the modern Olympic games?

9. **Literary Anagrams**
What character's name is missing in this anagram for "The authoress Beatrix Potter"?
Oh, text is about ----, her star.

9. **Short Stories**
Who wrote this?
I have made many books about well-behaved people. Now, for a change, I am going to make a story about two disagreeable people, called Tommy Brock and Mr. Tod. Nobody could call Mr. Tod "nice." The rabbits could not bear him and could smell him half a mile off.

10. **Light Adjectives**
Any substance through which light can pass without being broken up is described by what adjective?

10. **Vipers**
The "toxic saliva" of asps, coral snakes, mambas, and rattlers is called ...
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11. Areas</strong></td>
<td><strong>11. Addition of Negative Numbers</strong></td>
</tr>
<tr>
<td>The two states in a region known as Kentuckiana include Kentucky and what other?</td>
<td>What is the number if the sum of -6 and the number equals -52?</td>
</tr>
<tr>
<td><strong>Indiana</strong> 48</td>
<td></td>
</tr>
<tr>
<td><strong>12. Stars</strong></td>
<td><strong>12. Fables</strong></td>
</tr>
<tr>
<td>All the stars in the Northern Hemisphere appear to rotate around what star?</td>
<td>The lessons that fables teach about life are called ...</td>
</tr>
<tr>
<td></td>
<td>Polaris (North Star)</td>
</tr>
</tbody>
</table>
**TOSSUP**

1. **Storm Intensity**
   What level of intensity on the Fujita Scale is a tornado that hurls houses and cars long distances?

2. **Birds**
   This is about what kind of birds?
   They come ashore by walking onto beaches or by vaulting out of the surf. They then waddle erect up slopes or toboggan on their bellies down the snow.

3. **Dinosaur Math**
   The largest modern land animal is the African elephant weighing some 5 tons. But this is just one-eighth of the weight of the largest dinosaurs. How much did they weigh?

4. **Conditionals**
   If \( a = b \) then what does \( 2a \) equal?

5. **State Names**
   What U.S. state is named for the country's largest river?

**BONUS**

1. **North American Borders**
   The northern limit of Baja California is what U.S. state?

2. **Weather Poetry**
   This poem is about what weather phenomenon?
   Leaves stood still, and our hearts stood still, But the sky was a-boil with clouds, A coppery wrack, and the greenish black Of shrouds. We dove for shelter and none too soon. The universe swayed and swirled, And the monstrous horn of a unicorn Gored the world.

3. **Calendars**
   What is the name for any year in which an extra day is added?

4. **Zeros**
   How many zeros are in the number one billion one thousand one hundred and one?

5. **Regional Symbols**
   Windmills are especially symbolic of what European country?

---

**Mississippi**

**Holland (or Netherlands)**
6. **Place Names**
Cities in what country were named after Prince Rupert of the Rhine, Queen Victoria, and George Vancouver?

6. **Trail Reckoning**
Ichabod walked 8 yards due north where he turned to his right and walked 16 yards. Then he turned left and walked 5 yards and turned left again and walked 16 yards. At that point, how far was he from where he began?

7. **Evergreens**
Conifers have two kinds of cones. The female cones contain ovules. What is produced by the male cones?

7. **State Geography**
An enormous lake divides what U.S. state into two separate pieces?

8. **Weather**
What is the collective name for any form of violent, severe weather?

8. **Light**
What device produces a thin beam of light that travels long distances without spreading?

9. **U.S. Geography**
What western state adjacent to Canada has an extensive panhandle?

9. **Numbers**
What is the additive inverse of 180?

10. **Historical Art**
These art objects were created by what ancient civilization?

10. **Sentence Subjects**
Identify the subject in this question.

- **Idaho**
- **Egypt**

- **she**

- **laser**

- **storm**

- **pollen**

- **Michigan**

- **Canada**

- **13 yards**
11. Proportions
What is the fourth term in this proportion?
\[ \frac{2}{7} = \frac{12}{x} \]

11. Fictional Critters
In the story by Robert O'Brien, Mrs. Frisbie is what kind of creature?

12. Folksongs
What line completes this excerpt from an American folk song?
It rained all night the day I left,
The weather it was dry,
The sun so hot I froze to death ...

12. Songs
What is the term for the principal patriotic song of a nation?

Susanna, don't you cry. anthem (national anthem)
### TOSSUP

1. **Communications**
   These points from an 1877 advertisement describe the advantages of what form of communication over what other form?
   - No skilled operator is required.
   - The communication is much more rapid.
   - Direct communication may be made by speech without the intervention of a third person.

2. **Transitions**
   Words such as "beside" and "among" are used in transitions to show location. What is shown by these transition words?
   - immediately, meanwhile, afterward, next

3. **Energy Resources**
   Originally used to grind grain or pump water and more recently for the generation of electricity, what device uses rotating blades or sails to convert the energy from moving air to mechanical work?

4. **Architecture**
   An open space between a roof and a ceiling is called a ...

5. **Geographical Songs**
   What should be the first word in these geographical lyrics?
   ---- lines go east and west,
   But they're north or south of the equator.
   They'll always pass the parallel test,
   If you measure them now or later.

### BONUS

1. **Numbers**
   Name all the composite numbers less than 10.

2. **Drugs**
   What is the collective name for drugs that cause anesthesia?

3. **Fairy Tales**
   In what Hans Christian Andersen story is there a dog with eyes as big as saucers, another with eyes as big as millstones, and a third with eyes as big as the Round Tower?

4. **Electrical Circuity**
   If all the lights in your house were connected in series, what would happen if one of them burned out?

5. **Special Facilities**
   What kind of facility has control towers, terminals, and hangars?
TOSSUP

6. Ballets
These dances are part of what ballet by Sergei
Prokofiev?
Shawl Dance
The Fairy Godmother
The Sister's New Clothes
Departure of the Stepmother and
the Sisters for the Ball

7. American Folklore
What legendary American character created Mount
Hood when he piled rocks on top of his campfire to
extinguish it and dug the Grand Canyon when he
dragged his axe behind him?

8. Pledge Parts
What is the last prepositional phrase in "The Pledge of
Allegiance"?

9. Coins
An image of what U.S. president is on the U.S. dime?

10. Maps
What part of a map answers these questions?
What does this color stand for?
What does this symbol mean?
How big are the cities?
What is the distance between these points?
Is this the state capital?

BONUS

6. Grammatical Fractions
In lowest terms, what fraction of the words in this
sentence are in the subject?
Few things are harder to put up with than a
good example.

7. Marine Biology
While fish move their tails left and right for
propulsion, what do whales move up and down?

8. Sentences
Restate this sentence using a plural subject.
She is an Olympic skater.

9. Word Use
How is "for" used in this sentence?
The water must be hot for I saw Fred light the
water heater hours ago.

10. Tributes
Isaac Asimov said this about whom?
His simple device quickly proved to be an
efficient guard against the lightning stroke.
It was the first time scientific theory was
used to counter natural disaster and showed
that people could turn to science for answers
to their problems.
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11. Paths</strong></td>
<td><strong>11. Meteorites</strong></td>
</tr>
<tr>
<td>What is the term for the gravitationally curved path of an object around a body in space?</td>
<td>You have been given a meteorite fragment and find that it is attracted to a magnet. Therefore you know it contains either nickel or what other metal?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Profession Poetry</th>
<th>Number Palindromes</th>
</tr>
</thead>
<tbody>
<tr>
<td>This verse is from a poem about people in what line of work? Some have an eye patch And some have a hook In place of the hand That a crocodile took.</td>
<td>Start with 68 and add its reverse to it. Take the sum and add its reverse to it. Keep doing this until you arrive at a number palindrome. What number is it?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>orbit</th>
<th>iron</th>
</tr>
</thead>
</table>

| pirates | 1111 |
TOSSUP

1. **Marine Biology**
   What marine echinoderms have oval-shaped skeletons with long, movable spines covering all but the bottom surface of their bodies?

2. **Ursidae**
   What bear is easily distinguished by large, black patches around its eyes, on its ears, and around its body?

3. **Song Parodies**
   This is a parody of what song?
   My body needs calamine lotion
   My body's all red you can see.
   The flowers I picked for my mommy, turned out to be poison ivy!

4. **Song Books**
   Hymns are collected in what kind of books?

5. **Signed Numbers**
   Multiply the quantity (−8 + 9) by −16.

BONUS

1. **Foreign Cities**
   By their names, you can surmise that these are cities of what country?
   Hitoyoshi
   Katsuura
   Shirakawa
   Miyako
   Shiogama

2. **Central America**
   Central America is long and narrow, tapering to a width of about 30 miles in what country?

3. **Zoology**
   What common, non-physical, unenviable characteristic do these animals share?
   dodo
   great auk
   Labrador duck
   passenger pigeon
   saber-toothed tiger

4. **Number Problems**
   What three-digit number, whose digits are in descending order and add up to a dozen, is divisible by three and has a hundred's digit that is two more than its one's digit?

5. **Island Nations**
   Name the largest and most populous country of the Caribbean.

   hymnals
   Cuba

   -18
TOSSUP

6. Stories
Robert C. O'Brien wrote about some super-rats trained in laboratory experiments, which come to the aid of a sickly mouse. Complete the title of this metaphorical story.
Mrs. Frisby and the Rats of...

BONUS

6. Prepositions
List any three prepositions that begin with "b".

7. Flights
Charles Lindbergh's famous flight ended in what country?

7. Stories
What story by C.S. Lewis includes this?
"This must be a simply enormous wardrobe!" thought Lucy. Then she noticed that there was something crunching under her feet. Something cold and soft was falling on her.

8. Forests
At the present time, what country contains the world's largest rain forest?

8. Stories
In a story by H.C. Holling, an Indian boy carves a toy canoe. Before placing it in a stream, on the bottom of his vessel he carves these words.
Please put me back in water. I am paddle to the...

9. Number Problems
What odd number is greater than the number of days in October and less than the product of 7 and 5?

9. Syllabication
How many syllables are in this epigram?
Old age is not for sissies.

10. Harry Potter
In "Harry Potter and the Goblet of Fire," Harry must take a golden egg from what dragon?

10. Division
What is the largest integer that divides 109 with a remainder of 4?
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Lots of Water</td>
<td>11. Sea Namesakes</td>
</tr>
<tr>
<td>About 46% of the world’s water is in which ocean?</td>
<td>What sea adjacent to Mexico was named for a conquistador?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pacific</th>
<th>Sea of Cortes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Nutrition</td>
<td>12. Literature</td>
</tr>
<tr>
<td>What phrase refers to packaged foods such as candy, chips, and soft drinks that are high in calories but low in nutritional value?</td>
<td>How are these works collectively classified?</td>
</tr>
<tr>
<td>Field Guide to the Stars and Planets</td>
<td>Twentieth-Century Authors</td>
</tr>
<tr>
<td>Statesman’s Year-Book</td>
<td>Dictionary of Islam</td>
</tr>
</tbody>
</table>

| junk food | references |
### TOSSUP

1. **Big Waters**  
   Although not officially recognized as a separate ocean, those portions of the Atlantic, Pacific, and Indian Oceans at their southern extremes are sometimes collectively referred to as what ocean?

2. **Patronymics**  
   Where traditional patronyms were used in England, the son of William Howardson might be Jack Williamson, whose son might be Eric Jackson. What might have been Mr. Jackson's male child's surname?

3. **Erosion**  
   What force causes rivers to flow toward the ocean and glaciers to move down mountains?

4. **Quantities**  
   If you drive twenty miles, what is the least distance, in miles, that you could end up from your starting point?

5. **Insect Metamorphosis**  
   The protective covering of a pupa is made of strands of what lustrous natural fiber?

### BONUS

1. **Banners**  
   How many total red and white stripes were on the U.S. flag mandated by the Continental Congress in 1777?

2. **Geographical Abbreviations**  
   What is the meaning of the abbreviation in this line?  
   *The east side of the IDL is a calendar day earlier than the west side.*

3. **Novels**  
   "Across the Great River" is the story of a Mexican girl and her family who illegally enter the United States. The title indicates what river?

4. **Presidential Births**  
   These presidents were all born in what state?  
   *Woodrow Wilson, Zachary Taylor, John Tyler, William Harrison, James Monroe, James Madison, Thomas Jefferson, George Washington*

5. **Astronomical Age Problems**  
   If the Earth is 4.7 billion years old, and it came into being 13.3 billion years after the birth of the universe, how old is the universe?
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. <strong>Product Multiplication</strong> &lt;br&gt; If you quintuple a number and then quadruple that product, the final product is how many times larger than the original number?</td>
<td>6. <strong>Spoonerisms</strong> &lt;br&gt; Unspoonerize this sentence. I'm a damp stealer.</td>
</tr>
<tr>
<td>7. <strong>Book Math</strong> &lt;br&gt; If the sum of two adjacent page numbers is 425, what is the number of the page on the left?</td>
<td>7. <strong>African Nations</strong> &lt;br&gt; What country in Africa has a name that includes a synonym for a seashore and the name for the hard, smooth substance composed of dentin that forms the tusks of elephants?</td>
</tr>
<tr>
<td>8. <strong>Story Characters</strong> &lt;br&gt; Jib and Pushmi Pullyu are characters in what story by Hugh Lofting?</td>
<td>8. <strong>Architecture</strong> &lt;br&gt; What is the architectural term for a circular window or a circular opening at the apex of a dome?</td>
</tr>
<tr>
<td>9. <strong>Cooking Math</strong> &lt;br&gt; How many hours and minutes does it take to bake a 5 1/2 pound venison roast if the recipe says it should bake 24 minutes per pound?</td>
<td>9. <strong>Middle East Geography</strong> &lt;br&gt; Name the largest body of water adjacent to Israel.</td>
</tr>
<tr>
<td>10. <strong>Reciprocals</strong> &lt;br&gt; What is the sum of the reciprocals of 2 and 3?</td>
<td>10. <strong>Cinema Spoofs</strong> &lt;br&gt; What proper noun should have been used in this line from the comedy, &quot;Animal House&quot;? Nothing is over until we decide it is! Was it over when the Germans bombed Pearl Harbor?</td>
</tr>
</tbody>
</table>

5/6
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11.</strong> Asian Nations</td>
<td><strong>11.</strong> Anatomy</td>
</tr>
<tr>
<td>After Russia and China, the third largest Asian country is ...</td>
<td>This is an unusual description of what body system? It is what is left after the insides have been taken out and the outsides have been taken off. Its purpose is something to hitch meat to.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>12.</strong> Physiology</th>
<th><strong>12.</strong> Writing Errors</th>
</tr>
</thead>
<tbody>
<tr>
<td>What organ that is just three percent of your body mass consumes more than twenty percent of the oxygen your body uses?</td>
<td>Correct the faulty grammar in this line. Last Friday, when Richard and me were approaching the old mansion, something bizarre occurred.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>India</th>
<th>skeletal</th>
</tr>
</thead>
<tbody>
<tr>
<td>brain</td>
<td>Richard and I</td>
</tr>
</tbody>
</table>
TOSSUP

1. Matter
Which phase of matter diffuses most slowly?

2. Wonderland
In "Alice in Wonderland," the queen's gardeners are trying to paint what kind of white flowers red?

3. Silk
Name the enclosure secreted by the silkworm that is unwound to produce threads of silk.

4. Songs
These are state songs of what state?

- Where the Columbines Grow
- Rocky Mountain High

5. Marine Biology
Found on rocks, turtles, whales, buoys, and ship hulls, what saltwater crustaceans spend their entire adult lives attached to underwater objects?

BONUS

1. Work Problems
Farnsworth and Dudley took a total of two hours to wash a neighbor's windows. If Dudley worked three times as long as Farnsworth, how long did Farnsworth work?

2. Numbers
What is the additive inverse of 27?

3. Scary Stories
These are titles of stories in what series?

- The Curse of the Mummy's Tomb
- The Barking Ghost
- The Cuckoo Clock of Doom
- The Abominable Snowman of Pasadena
- The Curse of Camp Cold Lake

4. Musical Metaphors
What line from the song, "Row, Row, Row Your Boat" includes a metaphor?

"Life is but a dream."

5. Cube Constructions
If you had to paint the exposed sides of a wall of cubes six cubes wide and three cubes high, how many faces of the cubes would have to be painted?
**TOSSUP**

6. **Mexico**
The westernmost point in Mexico is on what peninsula?

7. **Tiny States**
What state is 59% the size of Delaware?

8. **Word Categories**
These are examples of what kind of words? hasn't, ne'er-do-well, jack-o'-lantern, 'twas, aren't, ma'am, should've, o'clock, must've

9. **Explorers**
A cosmonaut of the former Soviet Union was equivalent to an American what?

10. **Stringed Instruments**
When the tension on the vibrating string of a musical instrument is increased, what happens to the frequency?

**BONUS**

6. **Native Americans**
Spanish conquistadors found Indians of New Mexico living in apartment-like, adobe brick dwellings called what?

7. **Patriotic Poems**
This is a verse from a poem about what American holiday?

Today we honor all of you,
Who served your country with pride,
You risked your life for all of us,
As you fought side by side.

8. **Abbreviations**
Found throughout dictionaries, the abbreviation "syn." stands for what?

9. **Fantasies**
This is from what musical?

All you need is trust and a little bit of pixie dust.

10. **Russian Expansion**
Sea otter pelts brought back to Russia by a 1742 expedition prompted the earliest settlements in what region that would eventually become a U.S. state?

It becomes higher.

Alaska (Russian America)
## TOSSUP

<table>
<thead>
<tr>
<th>11.</th>
<th>Fads</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the late 1950s, the Hula-Hoop craze swept America. This toy was named after a traditional dance of what islands?</td>
<td>Hawaiian Islands</td>
</tr>
</tbody>
</table>

## BONUS

<table>
<thead>
<tr>
<th>11.</th>
<th>Periodical Purchasing</th>
</tr>
</thead>
<tbody>
<tr>
<td>The popular magazine &quot;Auksquare&quot; sells for $3.50 per issue at the newsstand, but you can buy a yearly subscription for $24. How much do you save by buying the yearly subscription instead of 12 issues at the newsstand?</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>Sunshine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Of the eight planets, which receives the least amount of sunshine in any given period?</td>
<td>Neptune</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>Multiplication</th>
</tr>
</thead>
<tbody>
<tr>
<td>If the product of two factors is zero, what can be said about the factors?</td>
<td>One of them is zero.</td>
</tr>
</tbody>
</table>
TOSSUP

1. Marine Poetry
This poem is about what creature?
Strange beauty, eight-limbed and eight-handed,
Whence camest to dazzle our eyes?
With thy bosom bespangled and banded
With the hues of the seas and the skies;
Is thy home European or Asian,
O mystical monster marine?

2. Minimums
Each room in a school contains 8 to 13 benches and on each bench are 7 to 12 students. What is the minimum number of students in any room?

3. Double Troubles
The number of Tribbles on the space ship Enterprise doubles every minute. If the entire ship was full at 2 p.m., at what time was the ship half full?

4. Inventions
Papermaking, the compass, gunpowder, and printing are said to be the four great inventions of what ancient civilization?

BONUS

1. Historical Poems
This is the first verse in a poem about what site?
The leaves of the cottonwoods hung motionless
As, outside the walls, Santa Anna's horde closed in.
A small band of Texans watched and waited
Preoccupied by combat and how life would end.

2. Biological Homonyms
What fruit with sweet, green pulp has the same name as a flightless bird of New Zealand?

3. Dwellings
What is an Eskimo's snow hut called?

4. English Usage
Correct this sentence.
Paul couldn't hardly lift his ox.

5. Official Seals
What bird is depicted on the Great Seal of the United States?

5. Locations
Where are you if the stars circle the sky parallel to the horizon?

---

octopus  Alamo

55  kiwi

1:59 p.m.  igloo

Chinese  Paul could hardly lift his ox.
bald eagle  North Pole
<table>
<thead>
<tr>
<th><strong>TOSSUP</strong></th>
<th><strong>BONUS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>To conserve energy, flocks of geese, cranes, and pelicans fly in what formation?</td>
<td>What animal that may weigh more than 4000 pounds and lives in the Arctic resembles a seal with two long, downward-pointing tusks?</td>
</tr>
<tr>
<td><strong>V-formation</strong></td>
<td><strong>walrus</strong></td>
</tr>
<tr>
<td><strong>7. Homographs</strong></td>
<td><strong>7. Empires</strong></td>
</tr>
<tr>
<td>What homograph means either a hole or a fruit stone?</td>
<td>In 1600, what European country had the largest empire thanks to its conquests in the New World?</td>
</tr>
<tr>
<td><strong>pit</strong></td>
<td><strong>Spain</strong></td>
</tr>
<tr>
<td><strong>8. Polygons</strong></td>
<td><strong>8. British Ursine Stories</strong></td>
</tr>
<tr>
<td>Identify the regular polygon used in stop signs.</td>
<td>This is an excerpt from what famous story? It is more fun to talk with someone who doesn't use long, difficult words but rather short, easy words like &quot;What about lunch?&quot;</td>
</tr>
<tr>
<td><strong>octagon</strong></td>
<td><strong>Winnie the Pooh</strong></td>
</tr>
<tr>
<td>What character in &quot;The Hundred and One Dalmatians&quot; is notable for wearing fur coats, liking peppers and other hot things, and for having one part of her hair white and the other black? Using the initials of the three continental Pacific coast states south of Alaska, you can spell the name of what mammal?</td>
<td></td>
</tr>
<tr>
<td><strong>Cruella de Vil</strong></td>
<td><strong>cow</strong></td>
</tr>
<tr>
<td><strong>10. Refrains</strong></td>
<td><strong>10. A Good Day for Furry Mammals</strong></td>
</tr>
<tr>
<td>What are the two prepositional phrases in the refrain of the &quot;Star Spangled Banner&quot;? In 1798, a London hatter made the first top hat of silk shag, thus reducing the demand for what pelts from America?</td>
<td>of the free, of the brave <strong>beaver</strong></td>
</tr>
<tr>
<td>TOSSUP</td>
<td>BONUS</td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
</tr>
<tr>
<td><strong>11. National Parks</strong>&lt;br&gt; In what state is there a national park featuring a 217 mile-long gorge up to 18 miles wide and 5,200 feet deep?</td>
<td><strong>11. Cliphers</strong>&lt;br&gt; These are examples of what markings used in the Old West?&lt;br&gt; - Man in the Moon&lt;br&gt; - Crazy Three&lt;br&gt; - Window Sash&lt;br&gt; - Rocking H&lt;br&gt; - Drag 7</td>
</tr>
<tr>
<td><strong>12. Cities</strong>&lt;br&gt; Two Qs are in the name of what major city of New Mexico?</td>
<td><strong>12. Time Abbreviations</strong>&lt;br&gt; The names for what three months are normally not abbreviated?</td>
</tr>
<tr>
<td>Arizona</td>
<td>brands</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Albuquerque</td>
<td>May, June, July</td>
</tr>
</tbody>
</table>
Elementary Quiz Bowl  Round 13  Page 1

TOSSUP

1. Islands
What is the modern name for the island that Christopher Columbus called "La Isla Espanola"?

2. Fruits
Name the nut-like fruit of an oak tree.

3. Military Songs
This is a verse from what military song?
Day is done
Gone the sun
From the lakes
From the hills
All is well
Safely rest
God is nigh.

4. Democratic Roots
This is about what country?
The land where democracy was conceived in the fifth century B.C. has periodically suffered the loss and welcomed the rebirth of freedom.

5. Linking Verbs
How many linking verbs are in this excerpt?
He was lying on his back as hard as armor plate, and when he lifted his head a little, he saw his vaulted brown belly, sectioned by arch-shaped ribs.

BONUS

1. The Sun
Name the moment when the Sun is at its highest elevation in the sky.

2. Folklore
Even to this day, many Italian children are warned by their elders that their noses will grow as long as who's if they do not tell the truth?

3. Capitalization
How many words should be capitalized in this quote by Woody Allen?
some guy hit my fender and i said to him, "be fruitful and multiply," but not in those words.

4. Timekeeping
This is about what device for keeping time?
I who by day am a function of the light
Am constant and invariant by night.

5. Lines
What do geometricians call a bent line without angles?
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>When we observe a new Moon from Earth, what fraction of the Moon's surface is illuminated by the Sun?</td>
<td>This letter of 1908 promotes what invention? Our article is a necessity nothing else can take the place of. Go into the street, look at the back of every skirt worn, and see if nine out of every ten doesn't need an invisible, secure fastener to close the opening.</td>
</tr>
<tr>
<td>7. Music</td>
<td>7. Machines</td>
</tr>
<tr>
<td>What is the letter name for the note exactly one octave higher than the G above middle C?</td>
<td>What kind of simple machine may consist of a wheel and a rope?</td>
</tr>
<tr>
<td>8. Silent Letters</td>
<td>8. Special Days</td>
</tr>
<tr>
<td>Name any word beginning with &quot;sc&quot; in which the &quot;c&quot; is silent.</td>
<td>What can be said about the duration of the day that occurs at the summer solstice?</td>
</tr>
<tr>
<td>The prefixes &quot;octa-&quot; and &quot;octo-&quot; mean what?</td>
<td>This is from what Robert Louis Stevenson poem? The funniest thing about him is the way he likes to grow - Not at all like proper children, which is always very slow; For he sometimes shoots up taller, like an India-rubber ball, And he sometimes gets so little that there's none of him &quot;-&quot;</td>
</tr>
<tr>
<td>10. U.S. Geography</td>
<td>10. Aviation</td>
</tr>
<tr>
<td>Name the southernmost U.S. state into which the Great Plains extend.</td>
<td>Name the hinged surfaces on the trailing edges of the wings of a fixed-wing aircraft that reduce the speed at which an aircraft can be safely flown?</td>
</tr>
</tbody>
</table>
### TOSSUP

<table>
<thead>
<tr>
<th>11.</th>
<th>European Real Estate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>What western European country has vastly increased in size thanks to the construction of dikes?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>Seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The seeds of peas, beans, lentils, and peanuts are enclosed in a case called a ...</td>
</tr>
</tbody>
</table>

### BONUS

<table>
<thead>
<tr>
<th>11.</th>
<th>Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>What is the chief element in the Sun?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>Fast Flight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The sound associated with supersonic flight is called a sonic ...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Netherlands</th>
<th>hydrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>pod (seedpod, legume)</td>
<td>boom</td>
</tr>
</tbody>
</table>
Elementary Quiz Bowl  Round 14  Page 1

TOSSUP

1. Appendages
What are those animal appendages called that resemble claws but do not come to a sharp point?

2. Sets
Given the set $\{3, 5, 9, 11, 13\}$, if the maximum value of $x$ is 9, what is the solution set?

3. Homonyms
What word has these meanings?
- A silvery, poisonous metallic element
- The messenger of the Roman gods
- A small planet

4. Song Synonyms
These are pompous renditions of the first four lines of what song?
Square root of nine sightless small rodents,
Square root of nine sightless small rodents,
Regard in what manner they skedaddle,
Regard in what manner they skedaddle.

5. Family Members
What member of a family can be described as "a man who expects his son to be as good a man as he meant to be"?

BONUS

1. Water Routes
Construction of the St. Lawrence Seaway was a joint project involving what two countries?

2. Geographical Vocabulary
What is the term for the height above sea level of a parcel of land?

3. Geography
Name the imaginary line extending around the Earth halfway between the north and south poles.

4. Carelessness
In one of Aesop's fables, what insect illustrates irresponsibility and laziness?

5. Antagonists
In "A Wrinkle in Time," the antagonist is referred to as...
<table>
<thead>
<tr>
<th>TOSSUP</th>
<th>BONUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6. Crimes</strong></td>
<td><strong>6. Lyrics from Cinematic Musicals</strong></td>
</tr>
<tr>
<td>Name the crime of stealing things from</td>
<td>The lyrics from what song in &quot;Mary</td>
</tr>
<tr>
<td>people's pockets without them knowing.</td>
<td>Poppins&quot; includes the words &quot;atrocious&quot;</td>
</tr>
<tr>
<td></td>
<td>and &quot;precocious&quot;?</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>7. Numbers</strong></td>
<td><strong>7. Perimeters</strong></td>
</tr>
<tr>
<td>What is the largest two-digit square?</td>
<td>What is the perimeter of a square with a</td>
</tr>
<tr>
<td></td>
<td>side of seven feet?</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>8. Factoring</strong></td>
<td><strong>8. Deficiency Diseases</strong></td>
</tr>
<tr>
<td>What are all the prime factors of 72?</td>
<td>Bones that are soft, yielding, and deformed</td>
</tr>
<tr>
<td></td>
<td>are symptoms of what disease associated</td>
</tr>
<tr>
<td></td>
<td>with a lack of vitamin D in the diet?</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>9. Statues</strong></td>
<td><strong>9. Latin America</strong></td>
</tr>
<tr>
<td>The Statue of Liberty stands in the harbor</td>
<td>If you alphabetically arrange the</td>
</tr>
<tr>
<td>of what city?</td>
<td>countries of South America, which is</td>
</tr>
<tr>
<td></td>
<td>last?</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>In 1807, Fulton's steamboat, the Clermont,</td>
<td>What is the term for seal and walrus</td>
</tr>
<tr>
<td>steamed 150 miles up the Hudson River from</td>
<td>limbs adapted for swimming?</td>
</tr>
<tr>
<td>New York to Albany in 32 hours. To the</td>
<td></td>
</tr>
<tr>
<td>nearest whole number, the ship traveled at</td>
<td></td>
</tr>
<tr>
<td>how many miles per hour?</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.</strong></td>
<td><strong>flippers</strong></td>
</tr>
</tbody>
</table>
11. **Marine Zoology**
In many aquatic animals, name the highly vascularized tissues with large surface areas that are extended into the surrounding water for gas exchange.

11. **U.S. Government**
Which branch of American government is bicameral?

---

12. **The Arts**
This verse by Longfellow is about what art form?

Turn, turn, my wheel! Turn round and round
Without a pause, without a sound:
So spins the flying world away!
This clay, well mixed with marl and sand,
Follows the motion of my hand;
For some must follow, and some command,
Though all are made of clay!

12. **Suffixes**
What is the meaning of the suffix in words such as kitchenette, novelette, and statuette?

<table>
<thead>
<tr>
<th>gills</th>
<th>legislative branch</th>
</tr>
</thead>
<tbody>
<tr>
<td>pottery (ceramics)</td>
<td>small</td>
</tr>
</tbody>
</table>
### TOSSUP

1. **Rivers**
   Name the largest river of Venezuela.

2. **Colors**
   What color results from mixing red and blue?

3. **Syllabication**
   How many syllables are in this line?
   ```
   I wonder how much deeper the ocean
   would be without sponges.
   ```

4. **Legends**
   This is about what legendary figure?
   ```
   The masts of his ship had to be hinged to let
   the sun and moon go by. The tips of the masts
   were padded so they wouldn't punch holes in
   the sky. The trip to the crow's nest took so
   long, the sailors who climbed to the top
   returned with gray beards.
   ```

5. **Palindromes**
   Spell a palindrome for a word that may mean either
   "to look at" or "the sound of a chick."

### BONUS

1. **Grammar**
   Replace one word in this sentence to make it
   grammatically correct.
   ```
   Either bad gas or your dirty carburetor
   are causing your engine problems.
   ```

2. **Poetic Descriptions**
   Name either device indicated in this line.
   ```
   But time is tied to the wrist
   Or kept in a box, ticking with impatience.
   ```

3. **Bridges**
   Medieval castles surrounded by moats were accessible
   only across what kind of bridges that could be pulled
   up against the castle walls?

4. **Reopened Sites**
   In 2009, for the first time since the 9/11 attacks,
   visitors were once again permitted to climb the stairs
   to the crown of what American monument?

5. **Misplaced Modifiers**
   What phrase is misplaced in this line?
   ```
   The patient was bitten by a bat as he
   walked down the street on his thumb.
   ```
TOSSUP

6. **Subatomic Particles**
What subatomic particle is missing below?
Oh proton, how your positive charge makes me blush! / I watch you from a distance, and my heart just turns to mush. / If only I was a neutron, we could frolic for awhile, / and then my dear I'm sure, I would wear a permanent smile. / But alas, I'm an ----, and I must watch you from afar, / so far from where you are.

7. **Lots of Stairs**
There are 897 steps in the stairwell of what monument in the District of Columbia?

8. **Refluxes**
What highly contagious reflex behavior is associated with exhaustion and boredom?

9. **Speed**
In 3 seconds, a peregrine falcon dove 900 feet, for an average speed of how many feet per second?

10. **LCMs**
What is the least common multiple of 8 and 24?

BONUS

6. **Sequels**
These are sequels to what story?
- The Return of the Indian
- The Secret of the Indian
- The Mystery of the Cupboard
- The Key to the Indian

7. **Seasons**
In the Southern Hemisphere, autumn occurs during what complete two months?

8. **Art Forms**
This is a quotation by Michelangelo about what kind of artist?
The best artist has that thought alone which is contained within the marble shell. His hand can only break the spell to free the figures slumbering in the stone.

9. **Poems**
What creature asks the question indicated in this excerpt?
Oh no, no," said the little Fly, "to ask me is in vain,
For who goes up your winding stair can ne'er come down again."

10. **Arthropods**
Some of these creatures run after insects. Others creep close to their prey and jump on it. Some hide in holes and jump out to catch passing insects. And many catch insects by means of a substance they exude from the end of their abdomens. Identify these arthropods.
<table>
<thead>
<tr>
<th><strong>TOSSUP</strong></th>
<th><strong>BONUS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11. Wonders</strong>&lt;br&gt;What 4,160-mile structure was started in the 7th century B.C. to protect an Asian region from invading Huns and Mongols?</td>
<td><strong>11. Historical Poetry</strong>&lt;br&gt;This verse is based on an event in what year?&lt;br&gt;Go to sleep, go to sleep, Paul Revere.&lt;br&gt;Please don't make all that noise around here!&lt;br&gt;How can we rest, when from down in the street Comes the clomping and the stomping&lt;br&gt;Of your horse's big feet?</td>
</tr>
<tr>
<td><strong>12. Antagonists</strong>&lt;br&gt;Who is the antagonist in the story, &quot;Rumpelstiltskin&quot;?</td>
<td><strong>12. Planetary Heating</strong>&lt;br&gt;The Sun heats the Earth the most at the equator and least at what regions?</td>
</tr>
</tbody>
</table>

Great Wall of China 1775

Rumpelstiltskin the poles