


## Assessment SE - Blueprint Benchmarks

Blueprint Benchmarks are designed to mimic STAAR Assessments with the same percentage of Readiness and Supporting Standards as well as the number of items per Reporting Category. Process Standard Skill TEKS are incorporated into the science assessments in the same format as the STAAR assessment.

22 Look at the diagram below. It models a pond ecosystem.

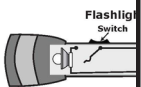


How do the plants in this ecosystem modeled above help the animals survive? (5.9A, 5.2D) A RC4

- F The plants release oxygen.
- G The plants take in hydrogen.
- H The plants release carbon dioxide.
- J The plants take in chlorophyll.

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23 Look at the diagram below. It models the light bulb when the switch is turned off.



Which of the following must happen for the light bulb to glow? (5.8C) K RC3

- A The switch must be closed so that there is a complete circuit.
- B The switch must be closed so that there is an open circuit.
- C The switch must be open so that there is a complete circuit.
- D The switch must be open so that there is an open circuit.

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24 Historically, people have believed that the Sun "rises in the East" and "sets in the West". Which of the following explains why the Sun appears to rise and set? (5.8C) K RC3

- F The rotation of the Earth on its axis
- G The revolution of the Earth around the Sun
- H The rotation of the Moon around the Earth
- J All of the above

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25 Look at the diagram below. It shows a pot that is being heated on a stove.




Which of the labeled parts of the pot above would be most likely to absorb thermal energy? (5.5A, 5.2D) PS RC1

- A A
- B B
- C Both A and C
- D Both A and B

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26 A student dissolves 30 grams of salt into a beaker filled with 200 milliliters of pure water. She places the beaker on a window ledge in direct sunlight.




Over a 1 week time period, the water evaporates. How much salt will be left after all the water evaporates? (5.8C, 5.2C) PS RC1

- F 30 grams of salt will be left because none of the salt will evaporate with the water.
- G There will be 0 grams of salt left because it will evaporate with the water.
- H 15 grams of salt will evaporate with the water.
- J There will be 20 grams of salt left because 10 grams will evaporate with the water.

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30 Look at the picture below. It shows a large crack that occurred in a city street after a rapid change to the Earth's surface.




Rapid changes in the Earth's surface are occurring constantly. Which most likely caused the crack in the image above? (2.7B, 5.2D) A RC3

- F Volcanic eruption
- G Landslide
- H Tornado
- J Earthquake

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31 Look at the picture below. It shows an area of land that has been cleared of trees, brush, and grasses to farm crops.



How does clearing land to farm crops affect organisms living in this ecosystem? (5.8C) A RC4

- A The native wildlife populations would decrease.
- B There will be an increase in forest fires.
- C The native wildlife populations would remain the same.
- D The native wildlife populations would increase.

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Not For Duplication

The appropriate number of field test items are included in each Blueprint Benchmark to accurately simulate the length of a STAAR Assessment. Field Test items are noted in the answer keys of each Teacher Edition.