

BROWNSVILLE ISD

Curriculum Department



Science Streamlined

G05 Science EN 5-6W Checkpoint 1819

5th Grade

District 6 Weeks 5th
Regular English Version

Student ID

Student Name

Score(S)

DIRECTIONS

Read each question carefully. Determine the best answer to the question from the four answer choices provided. Then fill in the answer on your answer document.

1 Below is a picture of three different substances.



Salt



Sugar



Honey

Which physical property do all of these substances have in common?

- A Physical state
- B Mass
- C Ability to float
- D Solubility

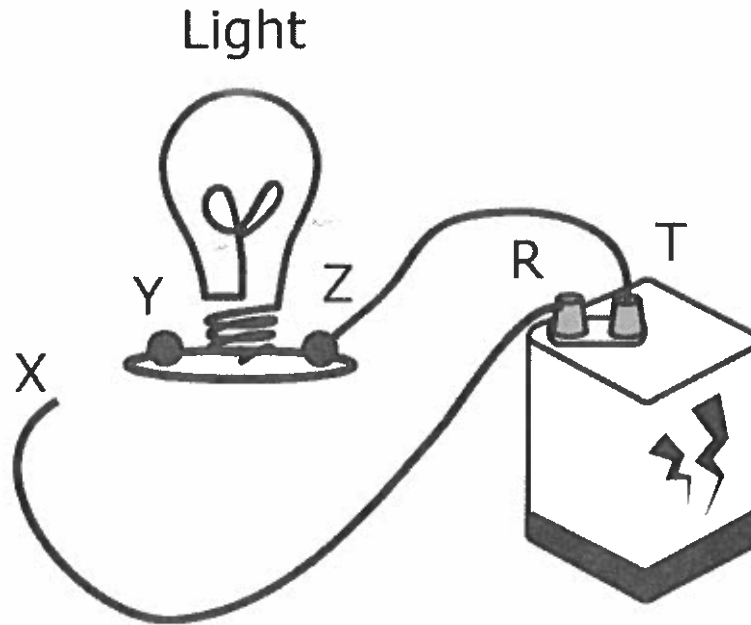
- 2 During a classroom investigation, students mix three different substances in three separate beakers of water. They stir each beaker for one minute and then allow each beaker to sit for two minutes. Students finish the investigation by recording their observations in a table.

Beaker	Substance	Observation
A	Powdered drink	?
B	Sugar	?
C	Sand	?

Which of the following is a correct observation?

- F** The substance can no longer be seen in Beaker C.
- G** The substance has caused the water color to change in Beaker A.
- H** The substance has settled to the bottom of Beaker B with no change.
- J** The substance continues to float in Beaker C.
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- 3 Joseph plugs in a lamp next to his bed so he can read a book before he goes to sleep. Which situation produces the same form of energy that the lamp produces?
- A** A waffle being burned in a toaster
- B** A candle being lit in a dark room
- C** A xylophone being struck with mallets
- D** A door being pushed open by a child

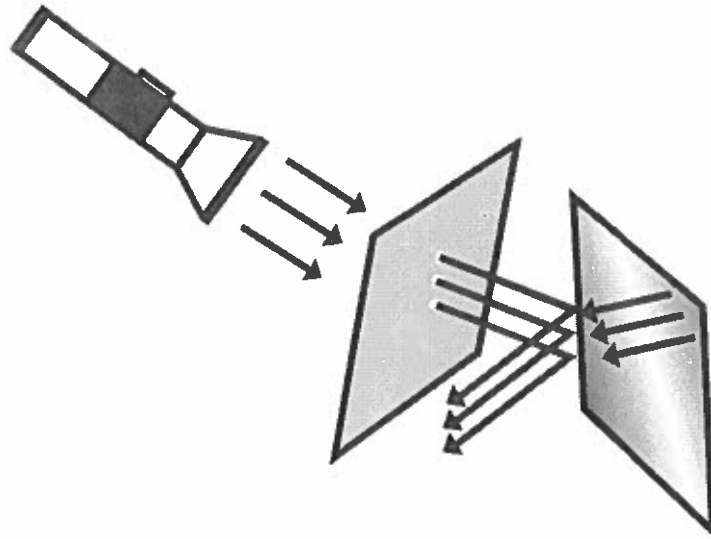
4 Abigail constructed the circuit shown below, but the bulb will not light.



How can Abigail create a closed circuit for the bulb to work?

- F** Connect the wire at location X to the base at location Y.
- G** Connect the wire at location X to the battery at location T.
- H** Connect the wire at location Z to the wire at location X.
- J** Connect the wire at location R to the base at location Z.

- 5 A student turns on a flashlight and points it at a piece of cardboard that has three small holes in it. Behind the piece of cardboard is a mirror.



Which of the following best explains what happens to the light when the flashlight is turned on?

- A The light travels in straight lines through the holes and is reflected off the mirror.
- B The light travels in straight lines through the holes and is refracted off the mirror.
- C The light cannot travel through the holes, so it cannot be reflected off the mirror.
- D The light cannot travel through the holes, but it can be refracted off the mirror.

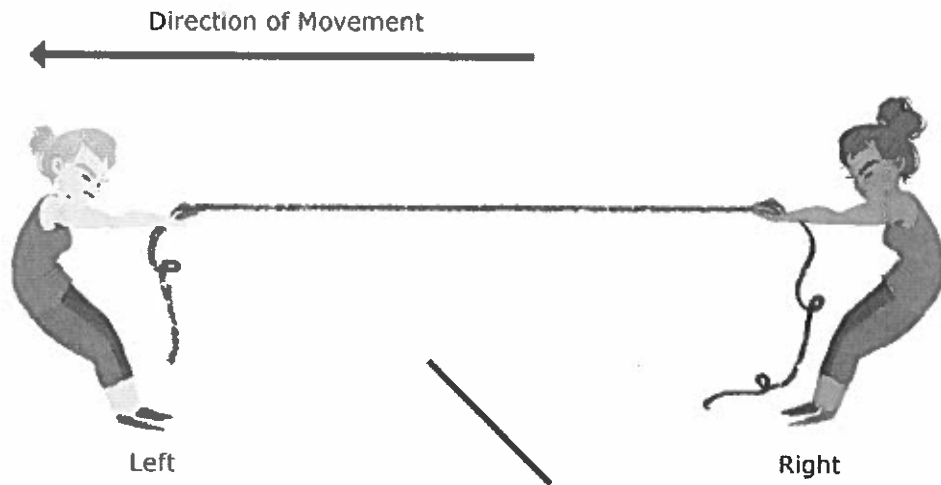
- 6 A wooden block is placed into a cup of water.



Which of the following most accurately describes what is observed?

- F** The wooden block has a relative density greater than water.
- G** The wooden block has a relative density equal to water.
- H** The wooden block has a relative density less than water.
- J** The wooden block does not have any relative density.

- 7 Two girls are holding a rope playing tug-o-war. They are trying to move each other over the line.



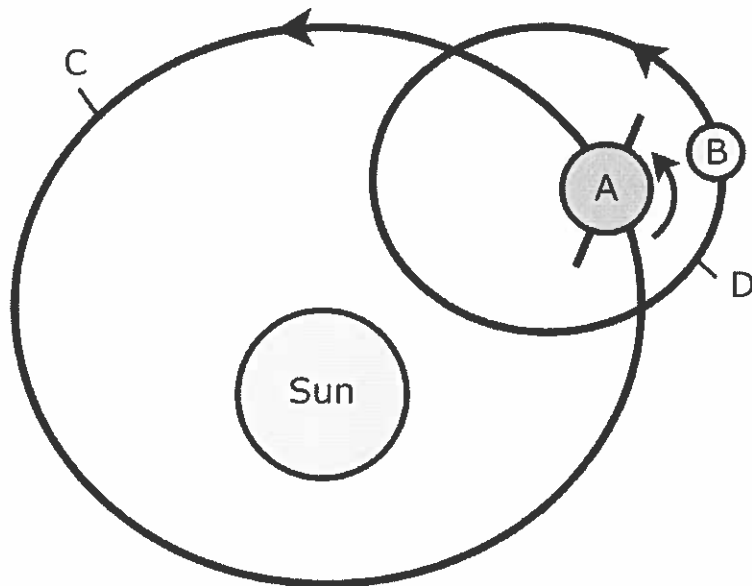
Which of the following best describes the forces used in the picture and their effect?

- A** The girls are pushing with unequal forces, and the rope will move to the left.
- B** The girls are pushing with equal forces, so the rope will not move.
- C** The girls are pulling with unequal forces, and the rope will move to the left.
- D** The girls are pulling with equal forces, so the rope will move to the right.
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- 8 All of these are important in the formation of fossil fuels EXCEPT —
- F** decomposed plants and animals
- G** erosion and condensation
- H** time and pressure
- J** buried organisms and compaction

9 Which of the following does NOT describe climate?

- A Wind speeds have increased and decreased throughout the week.
- B Average precipitation has decreased yearly over several decades.
- C Seasonal temperatures have remained consistent for the last 100 years.
- D Average tornado development has increased during the last 50 years.

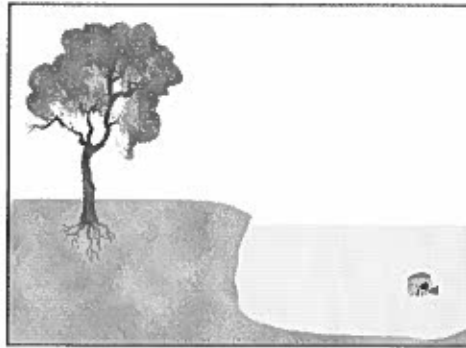
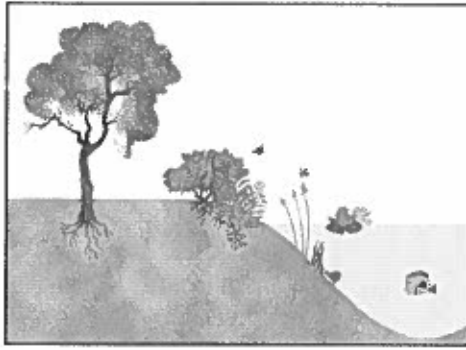
10 Below is a diagram that demonstrates the movement of the Sun, Earth, and Moon.



Which letter represents the movement that causes the day and night cycle?

- F C
- G D
- H A
- J B

11 The pictures below show a change over time.



Which of the following best explains the reason for this change?

- A** Wind causes new land to be deposited.
- B** Water causes sediments to build up.
- C** Ice causes rocks to be broken apart.
- D** Water causes the land to be eroded.

12 Students were comparing the physical characteristics of the Sun, Earth, and Moon. Which space object can best be described as made of hot gases, produces its own light, and has an atmosphere?

- F** Moon only
 - G** Earth and Moon
 - H** Sun only
 - J** Earth and Sun
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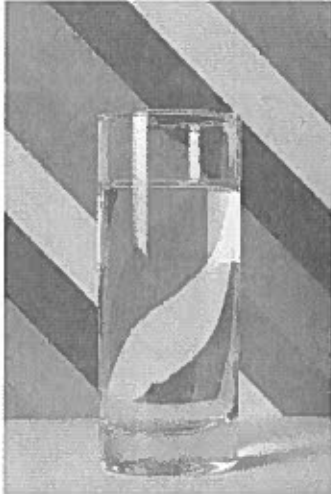
13 Which of the following is NOT an example of how we use sound energy?

- A** A tuning fork vibrates when struck on a desk
 - B** Heating a cup of hot chocolate in the microwave
 - C** Shaking maracas when the team scores a touchdown
 - D** A choir sings the school song on the morning announcements
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14 In an East Texas forest, clam shells and shark teeth have been discovered. What would this suggest about the forest area?

- F** The environment used to be much drier than it currently is.
- G** The environment has changed over time from aquatic to terrestrial.
- H** The animals in the forest like to eat clams and sharks.
- J** The animals from the ocean went swimming to the forest.

15 A glass of water is placed in front of a wall that has diagonal stripes painted on it.



Which of the following best explains why the stripes appear a different direction when viewed through the glass of water?

- A** Light is reflected as it moves from one medium to another.
- B** Light is absorbed by the water and reflected in a new direction.
- C** Light is refracted as it moves from one medium to another.
- D** Light is transmitted in new directions as it passes over the glass.

