

Georgia
CRCT
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Science - 4th grade practice test

Fourth Grade Science
Test

Suzy Skelton

Name: _____

Date: _____

Instructions:

Bubble the correct answer. Read each choice before marking your answer.

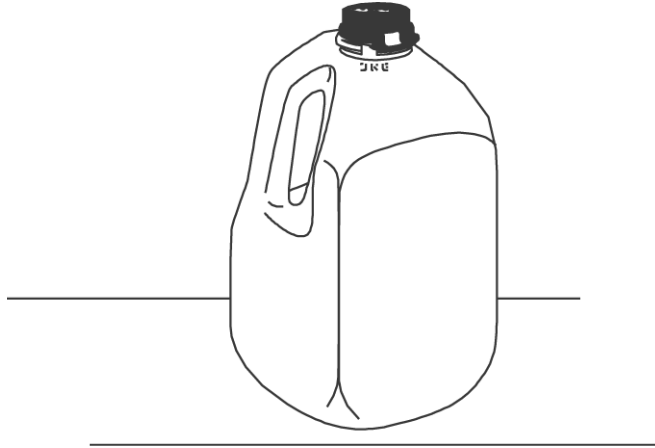
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Use the picture below to answer question 1.



1. A plastic container of water is placed in full sunlight. What color should the container be to make the water as warm as possible?

- A. white
 - B. yellow
 - C. red
 - D. black
-

2. In the United States, cool weather usually comes from the

- A. west.
 - B. east.
 - C. north.
 - D. south.
-

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3. Which of the following is MOST important in performing an experiment?

- A. keeping everything the same except the thing being tested
 - B. taking measurements quickly and accurately
 - C. knowing the answer before you make a hypothesis
 - D. using clean or brand-new equipment
-

4. Which of the following would be impossible without electricity?

- A. baking bread
 - B. drying wet clothes
 - C. keeping food cold
 - D. watching television
-

5. The Moon appears in phases ranging from a full circle to a small crescent because the Moon

- A. only reflects light from the side that faces the Sun.
 - B. slowly changes shape.
 - C. is too far away to be seen clearly.
 - D. has a shape controlled by the stars.
-

6. The day during the year when the Northern Hemisphere receives the greatest amount of sunlight is called the

- A. fall equinox.
 - B. spring equinox.
 - C. winter solstice.
 - D. summer solstice.
-

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7. Which object in our solar system has the most gravity?

- A. the Moon
 - B. the Sun
 - C. Earth
 - D. Jupiter
-

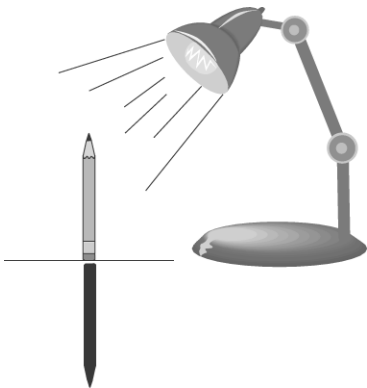
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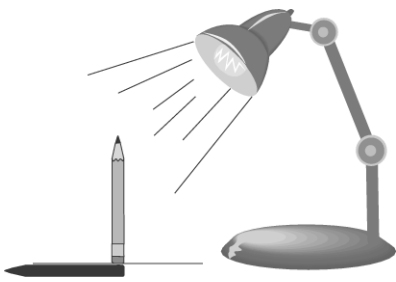
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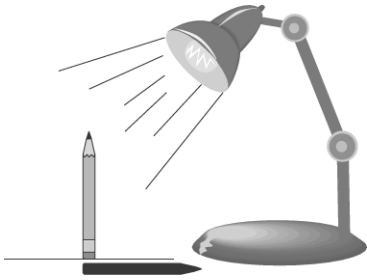
8. Which picture shows the shadow that would be created by the light source shining on the pencil?



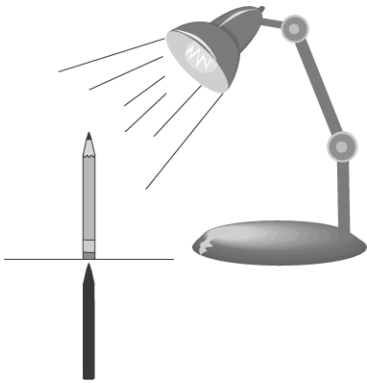
A.



B.



C.



D.

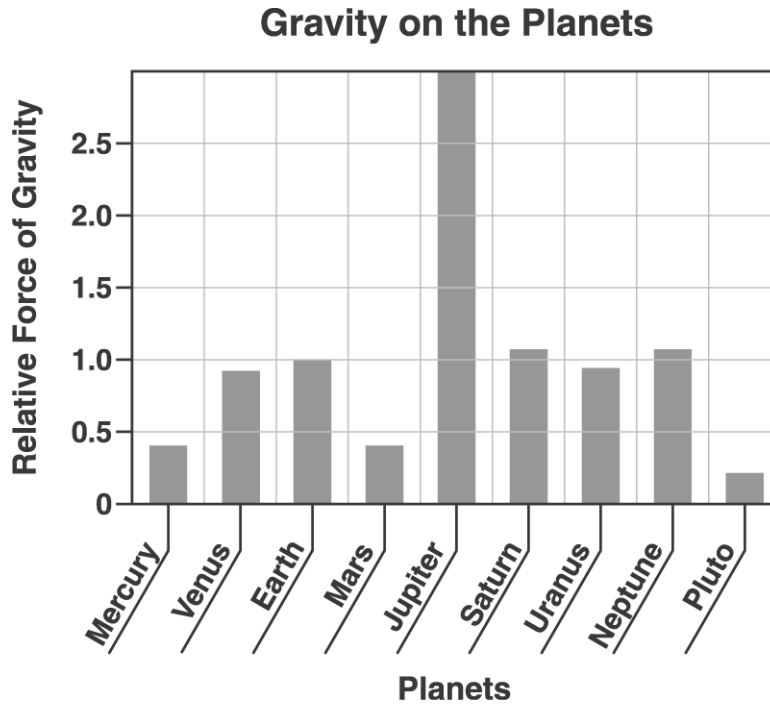
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Use the graph below to answer question 9.



9. Which planet has the MOST gravity?

- A. Earth
 - B. Mercury
 - C. Jupiter
 - D. Pluto
-

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Use the chart below to answer question 10.

Month	Average Temperature
July	79°
August	74°
September	65°
October	58°
November	?

10. According to this chart, the average temperature in November would most likely be

- A. lower than in October.
 - B. the same as in September.
 - C. the same as in October.
 - D. higher than in September.
-

11. If more water evaporates from the ocean,

- A. more water vapor will be in the atmosphere.
 - B. the ocean temperature will go up.
 - C. the air temperature will go down.
 - D. more water will flow into streams and lakes.
-

12. Wanda's dad wired new lights for her playroom. When he thought everything was connected correctly, he turned on the switch and nothing happened. What could be the problem?

- A. He put too many lights and switches in the circuit.
 - B. He needed to connect more batteries to the circuit.
 - C. He made a mistake that caused an open circuit.
 - D. He should have wired the circuit in parallel.
-

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13. Frank's science class keeps several different animals in the classroom. The students decided to do a group experiment to compare the amount of food each type of animal eats in a week. Their data are shown in the table below.

Animal	Amount of Food Eaten in One Week
Chuckie (hamster)	5 g
Henry (guinea pig)	20 g
Phyllis (gerbil)	4 g
Dorothea (goldfish)	6 g
Mabel (hamster)	6 g
Freddie (hamster)	7 g
Mark (gerbil)	5 g
Wilma (goldfish)	4 g
Andy (guinea pig)	18 g

Which table BEST summarizes the total amount of food eaten by each type of animal?

A.

Type of Animal	Total Amount of Food Eaten
Hamster	5 g
Gerbil	4 g
Guinea Pig	20 g
Goldfish	6 g

B.

Type of Animal	Total Amount of Food Eaten
Hamster	14 g
Gerbil	17 g
Guinea Pig	35 g
Goldfish	10 g

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Type of Animal	Total Amount of Food Eaten
Hamster	18 g
Gerbil	9 g
Guinea Pig	38 g
Goldfish	10 g

C.

Type of Animal	Total Amount of Food Eaten
Hamster	16 g
Gerbil	17 g
Guinea Pig	40 g
Goldfish	5 g

D.

14. What can a hygrometer measure?

- A. precipitation
 - B. cloud heights
 - C. humidity
 - D. air temperature
-

15. A compass can help you find your direction by using

- A. static electricity.
 - B. magnetism.
 - C. chemicals.
 - D. photoelectric cells.
-

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16. Why is it that the Moon can sometimes be seen during the day as well as at night?

- A. Earth reflects light from the Moon all the time.
 - B. The Sun goes around Earth and the Moon every day.
 - C. The Moon reflects light from the Sun all the time.
 - D. The Moon goes around Earth every day.
-

17. Which list shows the planets in order from smallest to largest?

- A. Earth, Venus, Mars
 - B. Mercury, Mars, Earth
 - C. Venus, Mercury, Mars
 - D. Mars, Mercury, Earth
-

18. Which of the following can be used to make an electromagnet?

- A. a compass, a magnet, and a piece of string
 - B. aluminum foil, an iron nail, and a lightbulb
 - C. a copper wire, a battery, and an iron nail
 - D. a lightbulb, a dry cell, and aluminum wire
-

19. Michael wanted to test whether cold water freezes faster than hot water. He filled a plastic cup with cold water and filled a glass cup with the same amount of hot water. Then he placed the two cups in the freezer. Michael checked on his cups every 20 minutes and recorded his observations. Why is this not a controlled experiment?

- A. The observations were recorded too frequently.
 - B. The cups were made out of different materials.
 - C. Equal amounts of water were in each cup.
 - D. The water samples were at different temperatures.
-

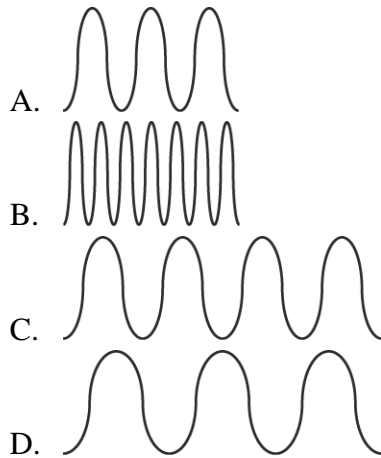
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20. Which sound wave has the highest frequency?



21. Which action adds carbon dioxide to the atmosphere?

- A. reducing amounts of air pollution
 - B. using solar and wind energy
 - C. burning only fossil fuels to get energy
 - D. traveling in electric cars
-

22. How often can a full moon be seen?

- A. once each year
 - B. once each season of the year
 - C. about once each month
 - D. about once each week
-

23. The sound that a person hears from a drum is produced by

- A. echoes.
 - B. reflections.
 - C. pulses.
 - D. vibrations.
-

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Use the table below to answer question 24.

Planet	Diameter (km)
Earth	12,756
Mars	6,787
Saturn	120,660
Neptune	49,560

24. The table lists the diameters of four of the planets. Which planet is the LARGEST?

- A. Earth
 - B. Mars
 - C. Saturn
 - D. Neptune
-

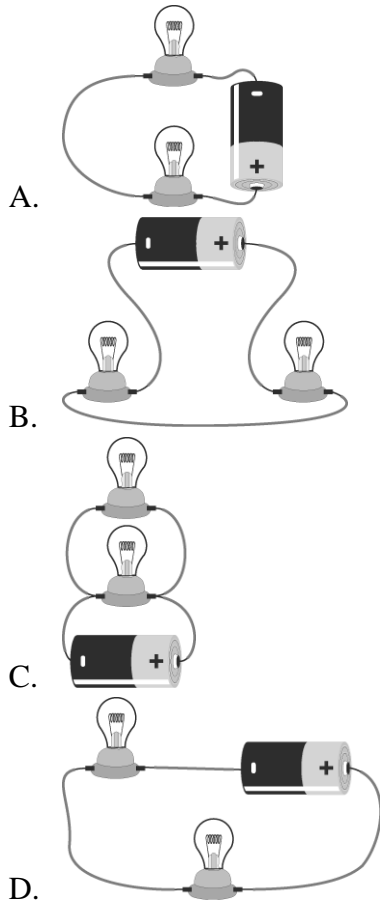
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25. Which diagram is a parallel circuit?



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Use the table below to answer question 26.

Solar System Chart

Planet	Average Distance From the Sun (in millions of km)	Period of Revolution (in Earth years)	Number of Known Moons
Mercury	58	0.24	0
Venus	108	0.62	0
Earth	150	1.00	1
Mars	228	1.88	2
Jupiter	778	11.86	16
Saturn	1,429	29.46	18
Uranus	2,875	84.01	15
Neptune	4,504	164.79	8
Pluto	5,900	248.60	1

26. Which conclusion can be made from the table?

- A. All planets have moons.
 - B. Each planet is about 50 million kilometers farther from the Sun than the next closest planet.
 - C. The largest planet is furthest from the Sun.
 - D. The period of revolution increases with greater distance from the Sun.
-

27. Which of the following is the largest body in our solar system?

- A. Earth
 - B. Mars
 - C. the Moon
 - D. the Sun
-

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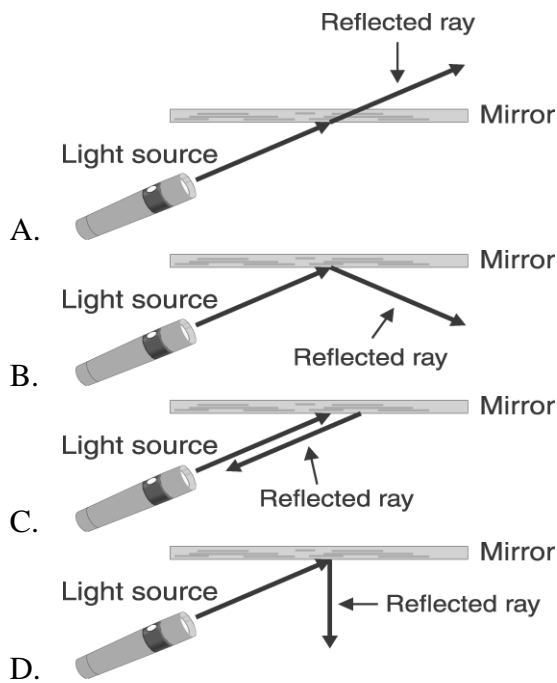
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28. Which instrument gives the MOST information about air pressure?

- A. barometer
 - B. rain gauge
 - C. thermometer
 - D. humidity meter
-

29. Which picture shows the correct reflected light ray?



30. Ten plants were placed in sandy soil and ten other plants were placed in clay soil. Both groups of plants were kept at room temperature, given the same amount of water, and placed in a sunny room. This experiment tests the effects of

- A. sunlight on plant growth.
 - B. temperature on plant growth.
 - C. different soils on plant growth.
 - D. water on plant growth.
-