

Georgia  
**CRCT**  
online



**Science CRCT question pool**

Fourth Grade Science  
Test

Vicki Uebele

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Instructions:**

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1. 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
- 

2. Which items could be placed in a compost pile for recycling?

- A. banana peels
  - B. plastic soft drink bottles
  - C. aluminum cans
  - D. glass bottles
- 

3. In the Northern Hemisphere, the day of the year with the longest period of daylight occurs in

- A. February.
  - B. June.
  - C. October.
  - D. December.
- 

4. Coastlines are polluted MAINLY through

- A. wave action at the coasts.
  - B. overpopulation at the coasts.
  - C. beach erosion at the coasts.
  - D. excessive rainfall at the coasts.
-

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5. Which type of cloud produces heavy rain, hail, and deadly winds?

- A. nimbostratus
  - B. cirrocumulus
  - C. cumulonimbus
  - D. altostratus
- 

6. Which is an insulator?

- A. copper coin
  - B. aluminum ladder
  - C. glass
  - D. water
- 

7. Which organism is a producer?



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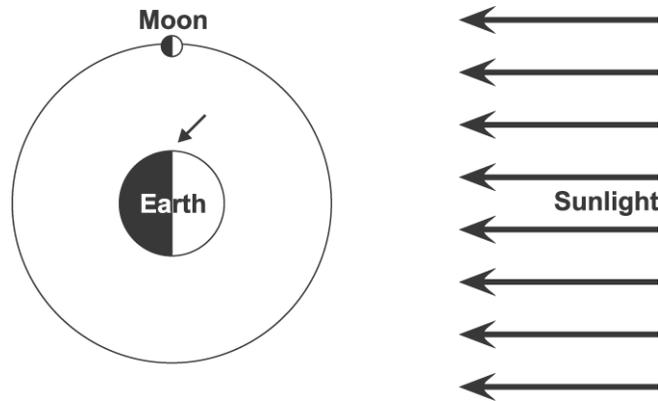
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Use the diagram below to answer question 8.



8. If you are standing on Earth where the small arrow is pointing, which picture shows what the Moon would look like?

- A.
- B.
- C.
- D.

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9. Why do food webs begin with plants?

- A. Plants cannot think.
  - B. Plants can make their own food.
  - C. Plants cannot move themselves.
  - D. Plants are the smallest living things.
-

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10. Cady was doing an experiment with her two bantam red chickens for a 4-H project. The data she gathered is in the chart below.

Week Number	Chicken #1		Chicken #2	
	Amt. of Oats	Chicken Weight	Amt. of Barley	Chicken Weight
1	2.5 kg	3.4 kg	2.5 kg	3.4 kg
2	2.5 kg	3.4 kg	2.5 kg	3.4 kg
3	2.5 kg	3.4 kg	2.5 kg	3.6 kg
4	2.5 kg	3.5 kg	2.5 kg	3.7 kg
5	2.5 kg	3.5 kg	2.5 kg	3.8 kg
6	2.5 kg	3.5 kg	2.5 kg	3.9 kg

What was Cady trying to learn by doing this experiment?

- A. which food the chickens like better
  - B. how much weight the chickens gained in six weeks
  - C. the best time of day to feed chickens
  - D. which food helps the chickens to gain weight faster
- 

11. Rachel wants to know which of two brands of flashlight batteries has the most energy. The BEST way for Rachel to find out would be to

- A. question several store owners, asking which brand sells best.
  - B. question people who buy batteries, asking them why they buy the brand they buy.
  - C. compare the prices of several different brands of batteries.
  - D. compare how long the two brands keep a flashlight lit.
-

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12. If a NEW moon occurs on July 2, a FULL moon will occur around

- A. July 9.
  - B. July 16.
  - C. July 30.
  - D. August 30.
-

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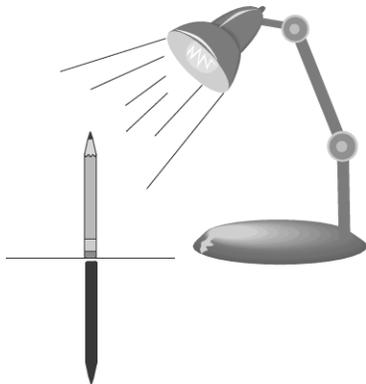
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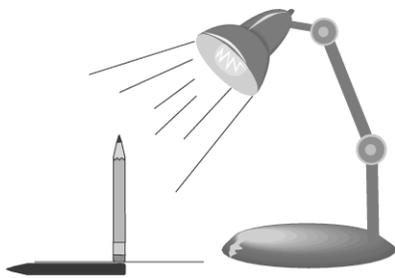
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13. Which picture shows the shadow that would be created by the light source shining on the pencil?



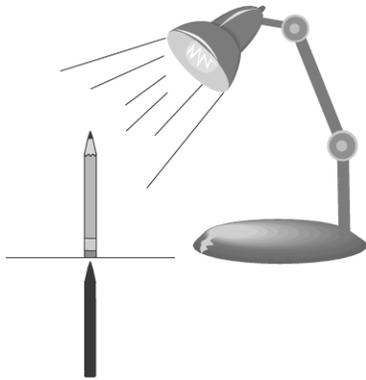
A.



B.



C.



D.

Name: \_\_\_\_\_

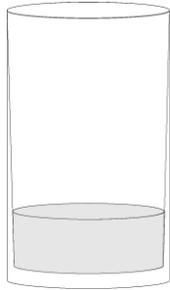
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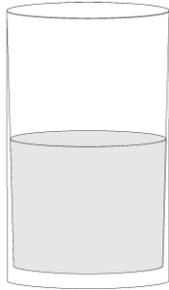
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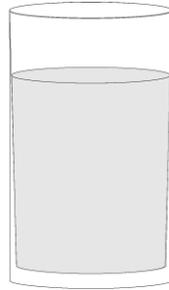
*Use the pictures below to answer question 14.*



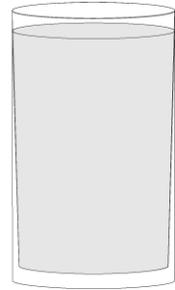
**A**



**B**



**C**



**D**

14. Each of the four glasses above contains water. Suppose you tapped the top of each glass with a metal spoon. Which glass would make the sound with the lowest pitch?

- A. glass A
  - B. glass B
  - C. glass C
  - D. glass D
-

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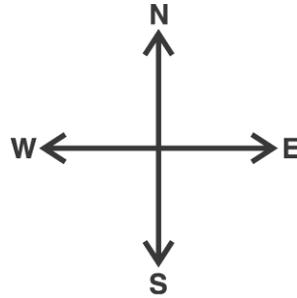
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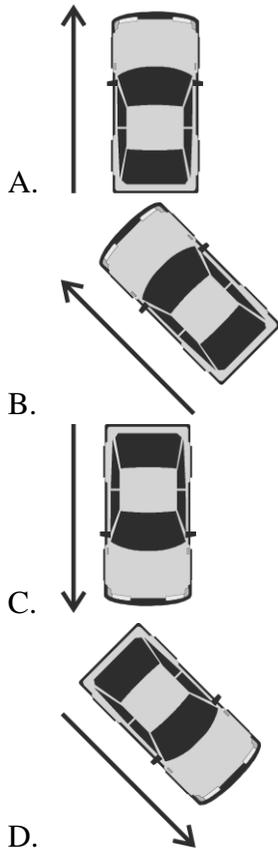
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Use the picture below to answer question 15.



15. Which picture shows a car that is traveling northwest?



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16. Which of the following might cause a river to become polluted?

- A. allowing beavers to build a dam
  - B. spreading fertilizer near the river
  - C. mowing the grass on the riverbank
  - D. fishing from a bridge over the river
- 

17. If too many plugs are put into one outlet, they can

- A. cause a fire.
  - B. make noise.
  - C. break the outlet.
  - D. grow bigger.
- 

18. 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.
- 

19. Wind speed can be measured using

- A. an anemometer.
  - B. a thermometer.
  - C. a barometer.
  - D. a spectrometer.
-

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20. A glass of cold lemonade was taken from the refrigerator and set on the table. Soon there were little drops of water on the outside of the glass. Where did the water come from?

- A. The water came from the air.
  - B. The water came through the glass.
  - C. Ice in the glass melted and the lemonade in the glass overflowed.
  - D. Nobody knows where the water came from.
- 

21. The reason electrical cords are coated with rubber is because the rubber

- A. helps produce more electricity.
  - B. helps conduct electricity.
  - C. reduces the magnetic field.
  - D. acts as an insulator.
- 

22. Ms. Rely's class is doing an experiment outside with ice cubes and colored paper. The ice cube will melt fastest on

- A. red paper.
  - B. green paper.
  - C. white paper.
  - D. black paper.
-

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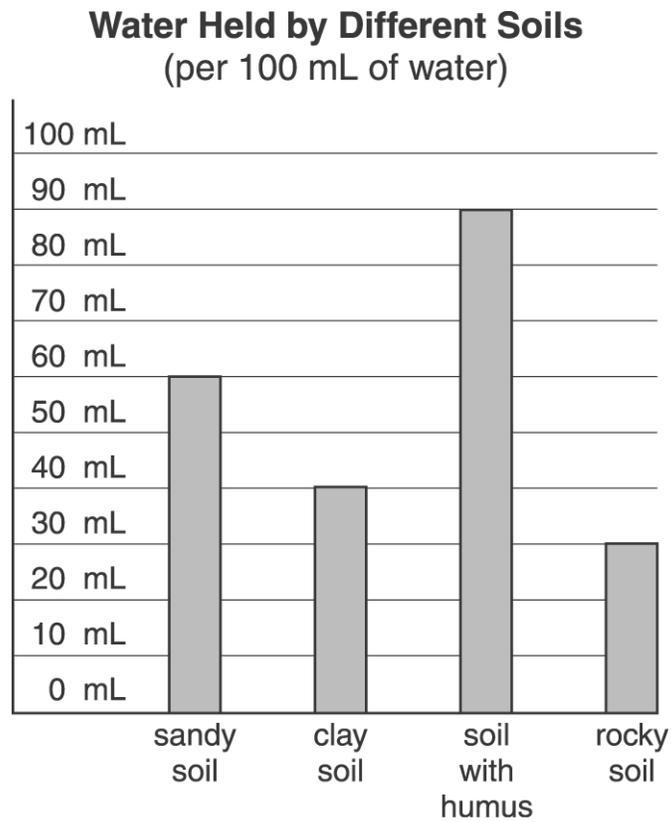
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Use the bar graph below to answer question 23.



23. Amy needs potting soil that will stay moist. Which type of soil will work the best?

- A. sandy soil
  - B. clay soil
  - C. soil with humus
  - D. rocky soil
- 

24. Which is usually recycled?

- A. plastic furniture
  - B. firewood
  - C. aluminum cans
  - D. food scraps
-

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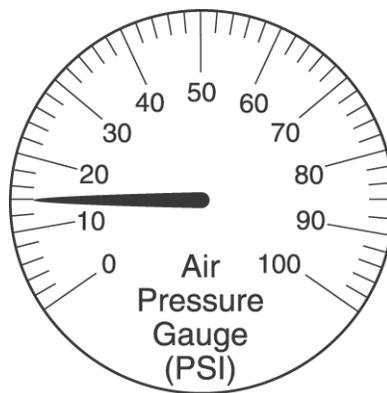
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25. There are day and night on Earth because

- A. the Sun turns.
  - B. the Moon turns.
  - C. Earth turns.
  - D. the Sun gets dark at night.
- 

Use the diagram of an air pressure gauge below to answer question 26.



26. What is the reading on the air pressure gauge?

- A. 12
  - B. 14
  - C. 15
  - D. 17
- 

27. Which material is translucent?

- A. clear glass
  - B. clean air
  - C. concrete
  - D. waxed paper
-

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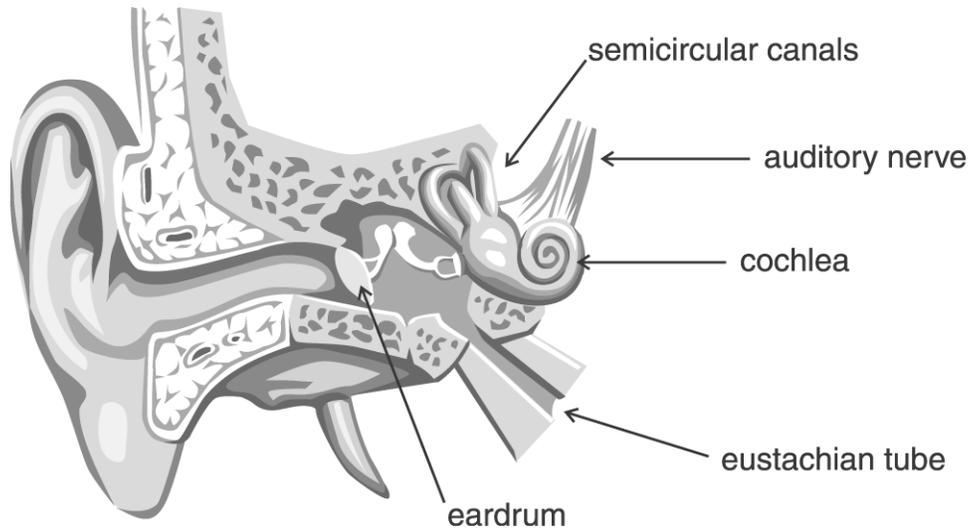
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Use the diagram below to answer question 28.



28. Which part of the ear vibrates first when sound waves hit it so that the sound can be heard?

- A. cochlea
  - B. eardrum
  - C. eustachian tube
  - D. auditory nerve
- 

29. Which is a correct food chain?

- A. tree → moose → horse → dog
  - B. leaf → grasshopper → frog → snake
  - C. seed → pollen → plant → flower
  - D. vine → berry → honey → bear
-

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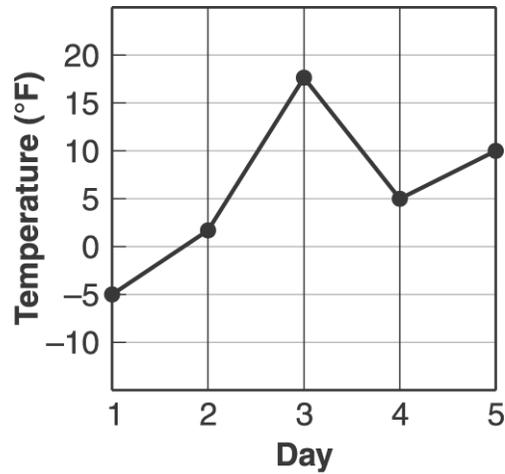
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Use the graph below to answer question 30.



30. Jack was studying changes in the weather. He wrote down the temperature at 12:00 noon for five days in January. On which two days were the temperatures closest to each other?

- A. Days 1 and 2
  - B. Days 2 and 4
  - C. Days 4 and 5
  - D. Days 3 and 5
-