

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

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

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## FOURTH GRADE-SCIENCE (SCIENCE4\_2)

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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

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2. The center of our solar system is
  - A. Earth.
  - B. the Milky Way.
  - C. the Sun.
  - D. the Moon.

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3. There are always 24 hours in each day. Why is this true?
  - A. Earth always spins at the same speed.
  - B. The Sun is at the center of the solar system.
  - C. The Moon always has the same side facing Earth.
  - D. Earth goes around the Sun.

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4. Which instrument gives the MOST information about air pressure?
  - A. barometer
  - B. rain gauge
  - C. thermometer
  - D. humidity meter

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5. There are 24 hours in a day. What would happen to the length of a day if Earth rotated more quickly?
  - A. The length of a day would become shorter.
  - B. The length of a day would become longer.
  - C. The length of a day would remain the same.
  - D. The length of a day could not be predicted.

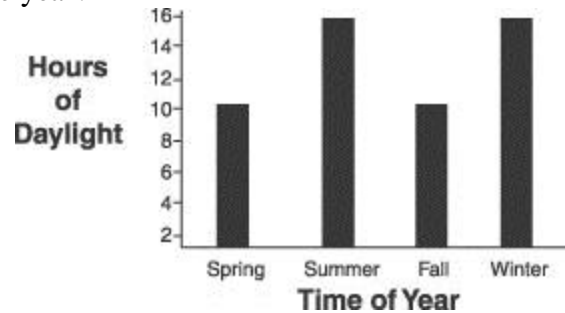
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6. Why does the Northern Hemisphere experience summer in June, July, and August?
  - A. The Northern Hemisphere is closest to the Sun during these months.
  - B. Earth is orbiting the Sun faster during these months.
  - C. The Northern Hemisphere is tilted toward the Sun during these months.
  - D. The North Pole is pointed directly toward the Sun during these months.

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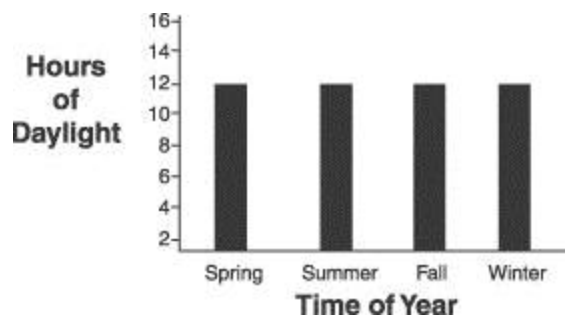
7. Dew forming on the ground is an example of

- A. evaporation.
  - B. condensation.
  - C. precipitation.
  - D. transpiration.
- 

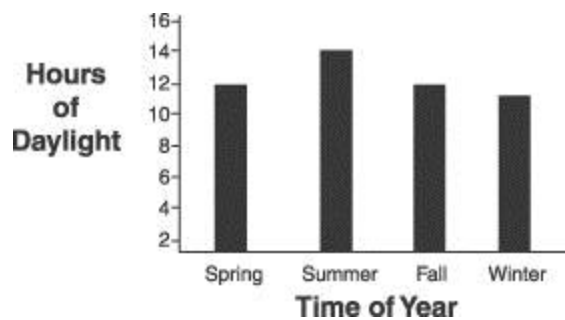
8. Which graph best shows the amount of daylight in the United States at different times of the year?



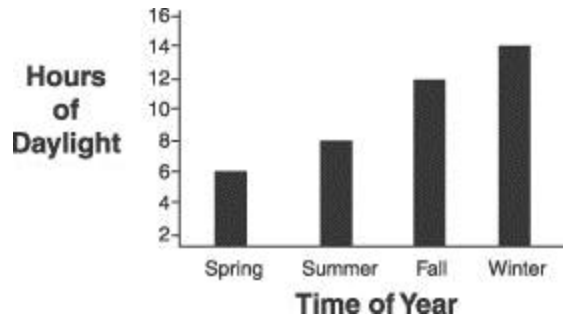
A.



B.



C.



D.

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9. Aerosol cans cause pollution because they put fluorocarbons into the atmosphere. Fluorocarbons high in the atmosphere

- A. increase the amount of nitrogen.
- B. decrease the amount of oxygen.
- C. break down the ozone layer.
- D. expand the mesosphere.

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10. Two astronauts walking on the Moon are trying to communicate with each other. Which way of communicating will NOT work for them?

- A. ringing a bell
- B. flashing a light
- C. using a radio
- D. waving a hand

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11. What keeps the planets in orbit around the Sun?

- A. distance
- B. gravity
- C. shape
- D. light

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12. Owen looked out his window one night and saw a very bright star just over the top of a tree. Later that same night, he looked out and the star was gone. Which BEST explains what happened?

- A. Earth rotates, so the stars seem to move.
- B. Some stars shine only for a few hours each night.
- C. The star must have burned up.
- D. Some stars move faster than others.

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13. What can a hygrometer measure?

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

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14. Which statement explains why day and night occur on Earth?

- A. Earth rotates on its axis.
- B. Earth revolves around the Sun.
- C. The Sun rotates on its axis.
- D. The Sun revolves around the galaxy.

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15. The letter H is the weather symbol for

- A. hail storms.
- B. humidity.
- C. hurricane.
- D. high pressure.

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16. Which planet orbits the Sun in the least amount of time?

- A. Mercury
- B. Mars
- C. Neptune
- D. Pluto

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17. When water on a sidewalk dries, it goes into the air as water vapor. Later, when the air cools, what happens to the water vapor?

- A. It becomes snow.
- B. It condenses.
- C. It evaporates.
- D. It becomes a gas.

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18. The asteroid belt can be found between

- A. Earth and the Sun.
- B. Earth and the Moon.
- C. Neptune and Pluto.
- D. Mars and Jupiter.

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19. How do dewdrops form on a leaf?

- A. They are formed from melted frost.
- B. They are formed from water vapor in the air.
- C. They fall as melted snow and are caught on the leaf.
- D. They fall like a light rain and are caught on the leaf.

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20. Twenty-four hours is the time it takes for one rotation of

- A. the Sun on its axis.
- B. Earth on its axis.
- C. the Moon on its axis.
- D. the solar system.

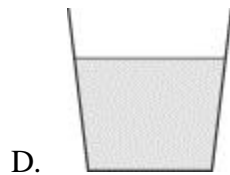
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21. In April, when it is springtime in the Northern Hemisphere, which season is it in the Southern Hemisphere?

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

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22. A liter of water is poured into each of the containers shown below and they are left uncovered in a warm room. After a day, which container will have the LEAST amount of water left in it?



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23. 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

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24. Which is a gaseous planet?

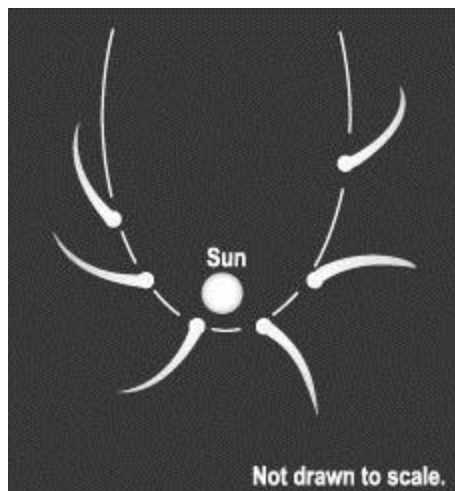
- A. Jupiter
- B. Mars
- C. Earth

D. Venus

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25.

*Use the drawing below to answer this question.*



In this drawing, the object orbiting the Sun is

- A. a meteor.
- B. an asteroid.
- C. a comet.
- D. a planet.

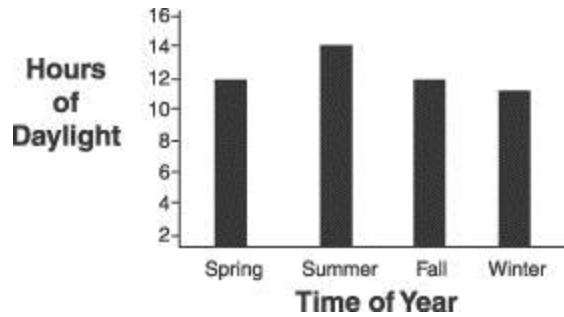
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#### **FOURTH GRADE-SCIENCE(SCIENCE4\_2)**

(Answer Key)

1. about once each month
2. the Sun.
3. Earth always spins at the same speed.
4. barometer
5. The length of a day would become shorter.
6. The Northern Hemisphere is tilted toward the Sun during these months.
7. condensation.

8.



9. break down the ozone layer.

10. ringing a bell

11. gravity

12. Earth rotates, so the stars seem to move.

13. humidity

14. Earth rotates on its axis.

15. high pressure.

16. Mercury

17. It condenses.

18. Mars and Jupiter.

19. They are formed from water vapor in the air.

20. Earth on its axis.

21. fall

22.

23. burning only fossil fuels to get energy

24. Jupiter

25. a comet.