

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

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

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1. Which is the LARGEST object in the solar system?

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

2. Which sentence is TRUE about the amount of daylight in summer and winter?

- A. In the winter there are more hours of sunlight each day than in the summer.
  - B. In the summer there are more hours of sunlight each day than in the winter.
  - C. There are the same number of hours of sunlight each day in the summer as there are in the winter.
  - D. Some summer days have fewer hours of sunlight than winter days, and other summer days have more hours of sunlight than winter days.
- 

3. The Sun is a

- A. comet.
  - B. meteor.
  - C. planet.
  - D. star.
- 

4. 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.
- 

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

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

6. The time it takes the Moon to go from a new moon to a full moon and back to a new moon is about

- A. 1 day.
  - B. 14 days.
  - C. 28 days.
  - D. 365 days.
- 

7. Which tool can be used to see objects far away?

- A. a thermometer
  - B. a battery
  - C. a telescope
  - D. a ruler
-

8. Which would show how the outside temperature changed each day for the past 30 days?

- A. an encyclopedia
  - B. an e-mail
  - C. a newspaper
  - D. a book about weather
- 

9. Which planet is the fourth from the Sun?

- A. Saturn
  - B. Mars
  - C. Uranus
  - D. Jupiter
- 

10. Which lists three of the planets in correct order starting with the one nearest to the Sun?

- A. Saturn, Jupiter, Pluto
  - B. Mercury, Mars, Venus
  - C. Earth, Jupiter, Uranus
  - D. Jupiter, Mars, Earth
- 

11. Which is the longest amount of time?

- A. day
  - B. month
  - C. season
  - D. week
- 

12. Which object reflects the light from the Sun so we see it at night?

- A. a space shuttle
  - B. a meteor
  - C. the Moon
  - D. a star
- 

13. Why does the Moon appear larger than the stars?

- A. The Moon is larger than the stars.
  - B. The Moon is closer to Earth.
  - C. The Moon is farther away from Earth.
  - D. The light of the Moon is brighter than the light of the Sun.
- 

14. Which tool is used by astronomers to make objects that are far away appear larger?

- A. microscope
  - B. satellite
  - C. spacecraft
  - D. telescope
-

15. Which motion takes about one year?

- A. Earth rotating on its axis
  - B. the Sun revolving around Earth
  - C. Earth revolving around the Sun
  - D. the Moon revolving around Earth
- 

16. Which statement is true about Earth?

- A. It is smaller than Mars.
  - B. It is larger than the Sun.
  - C. Its orbit is closest to Jupiter.
  - D. It is the third planet from the Sun.
- 

17. Which planet is closest to Earth?

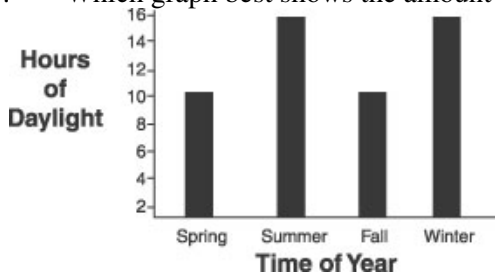
- A. Neptune
  - B. Saturn
  - C. Uranus
  - D. Venus
- 

18. Which planet is MOST like Earth?

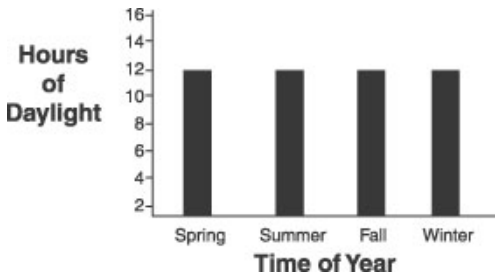
- A. Mars
  - B. Neptune
  - C. Pluto
  - D. Uranus
-

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

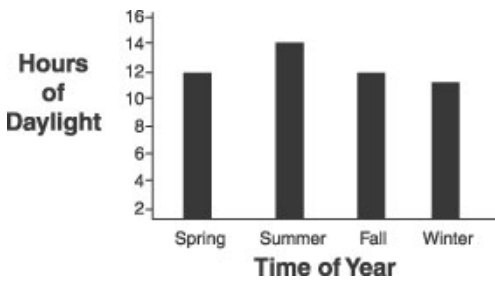
A.



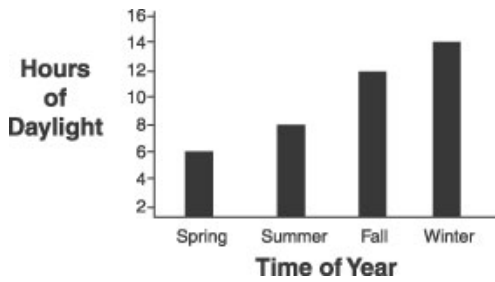
B.



C.



D.



20. Use the table below to answer this question.

**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

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.
- 

21. In a family of rabbits, half the rabbits are brown and half are white. Which statement BEST explains why the rabbits have two different colors?

- A. The white rabbits were in the Sun more than the brown rabbits.
  - B. The brown rabbits inherited different coat colors than the white rabbits.
  - C. The brown rabbit ate foods that are darker in color than the white rabbits.
  - D. The white rabbits live where it is warmer than where the brown rabbits live.
- 

22. Scientists study outer space by sending telescopes and other scientific instruments out into space. Where are these instruments placed to allow scientists to study outer space?

- A. satellites
  - B. asteroids
  - C. Pluto
  - D. Sun
- 

23. Students in Martin's class make a model of the solar system. They cut a circle out of paper for each planet. They want the size of each circle to be the same scale. Which tool should they use to measure the sizes of the circles?

- A. ruler
  - B. balance
  - C. scissors
  - D. thermometer
-

24. Which tool should be used to study the Moon?

- A. ruler
  - B. microscope
  - C. telescope
  - D. thermometer
- 

25.

What aide is used to magnify the appearance of distant objects in the sky?

- A. magnifying lense
  - B. digital camera
  - C. microscope
  - D. telescope
- 

26.

Which area would be most effective for telescopes to clearly see distant objects in the sky?

- A. a jungle
  - B. a desert
  - C. a local city park
  - D. a tall building's roof
- 

27.

How many stars are in the sky?

- A. hundreds
  - B. thousands
  - C. millions
  - D. too many to count
- 

28.

Which are giant balls of gas in space that shine through darkness.

- A. stars
  - B. moons
  - C. planets
  - D. constellations
- 

29.

Which describes why stars are different colors?

- A. Stars are the same color.
  - B. Stars reflect light from the sun.
  - C. Stars have differnt locations.
  - D. Stars have different temperatures.
-

30.

Over the summer, a student observed the night sky. The student noticed a planet's position moved nightly across a constellation, while the stars of the constellation remained in the same position. Why is the possible?

- A. the planet is revolving around the earth
  - B. the planet is revolving faster around the stars
  - C. the planet is closer to earth than the stars
  - D. the planet is farther from the earth than the stars
- 

31.

When looking at the night sky, why do planets and stars look similar in size?

- A. because the smaller stars are at a closer distance
  - B. because the larger stars are a further distance away
  - C. because the larger planets are a further distance away
  - D. because the smaller planets are at a further distance away
- 

32.

A student has two styrofoam balls. One ball represents the sun. The other represents the earth. How could the student use the balls to model the change from day to night?

- A. revolve the model of the earth around the model of the sun
  - B. revolve the model of the sun around the model of the earth
  - C. rotate the model of the earth
  - D. rotate the model of the sun
- 

33.

Which phase of the moon do we see the moon fully lit?

- A. New Moon
  - B. Full Moon
  - C. Gibbous Moon
  - D. First Quarter Moon
- 

34.

In which phase of the Moon are you not able to see any of the Moon?

- A. New Moon
  - B. Gibbous Moon
  - C. Crescent Moon
  - D. Last Quarter Moon
- 

35.

If the North Pole tilts towards the Sun in June, where would summer be in the world?

- A. the eastern half of the Earth
- B. the western half of the Earth
- C. the northern half of the Earth
- D. the southern half of the Earth

36.

How long does it take the Moon to show all its phases?

- A. one day
  - B. one week
  - C. one year
  - D. one month
- 

37.

Materials:

lamp/light to represent the Sun;

ball to represent the Earth;

ball to represent the Moon;

Directions:

Do not move the lamp.

Do not move the ball representing Earth.

Move the ball representing the Moon.

What will you observe?

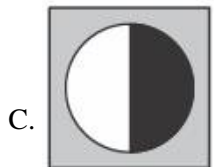
- A. the Moon tilting on its axis
  - B. the Earth tilting on its axis
  - C. the phases of the Moon
  - D. the phases of the Earth
-



38.



Which of the following is the next phase of the moon?



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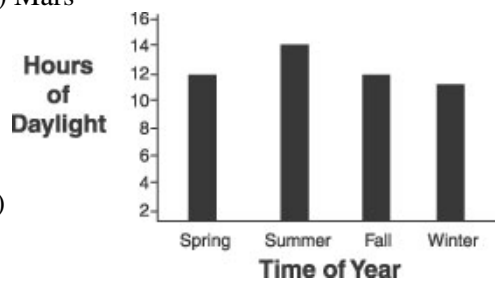
39. Venus, the moon, Mars, and the sun are all visible in our sky. All but one of these reflect light from another source. Which of the following produces its own light?

- A. Venus
- B. The moon
- C. Mars
- D. The sun

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**Answer Key**

1. C) the Sun
2. B) In the summer there are more hours of sunlight each day than in the winter.
3. D) star.
4. C) Earth turns.
5. D) the Sun
6. C) 28 days.
7. C) a telescope
8. C) a newspaper
9. B) Mars
10. C) Earth, Jupiter, Uranus
11. C) season
12. C) the Moon
13. B) The Moon is closer to Earth.
14. D) telescope
15. C) Earth revolving around the Sun
16. D) It is the third planet from the Sun.
17. D) Venus
18. A) Mars



19. C)
20. D) The period of revolution increases with greater distance from the Sun.
21. B) The brown rabbits inherited different coat colors than the white rabbits.
22. A) satellites

23. A) ruler

24. C) telescope

25. D) telescope

26. B) a desert

27. D) too many to count

28. A) stars

29. D) Stars have different temperatures.

30. C) the planet is closer to earth than the stars

31. B) because the larger stars are a further distance away

32. C) rotate the model of the earth

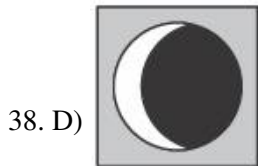
33. B) Full Moon

34. A) New Moon

35. C) the northern half of the Earth

36. D) one month

37. C) the phases of the Moon



39. D) The sun