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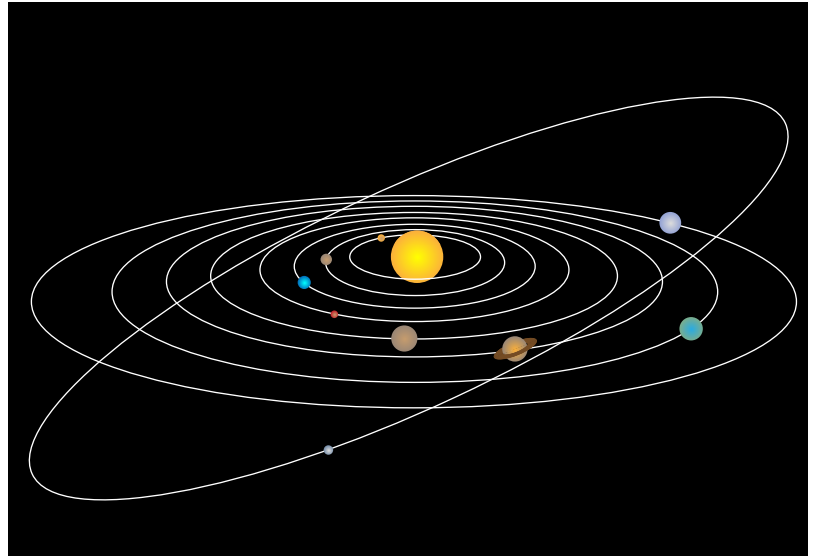
## Our Solar System

Do you ever look at the sky and wonder about the sun, the moon, or other planets? Our planet is one of many interesting objects that travel around our sun in what is called a solar system. Let's learn more about our solar system and our neighbors in outer space!

First, go to **www.worldbookonline.com**. Then, click on "Kids." If prompted, log on with your ID and Password.

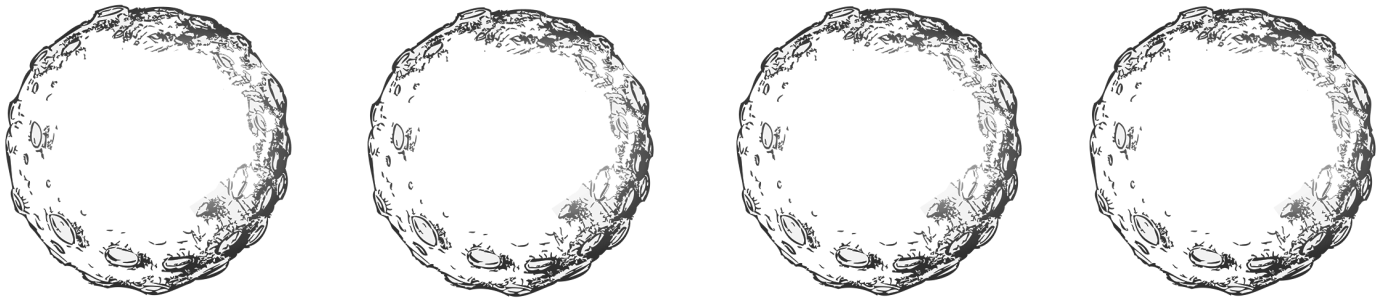
### Find It!

Use the World Book search tool to find the answers to the questions below. Since this activity is about the solar system, you can find the answers by using the "Search" tool to search the key words "solar system." Write the answers to the questions on the lines provided or in the space below each question.



1. A solar system is a group of objects that \_\_\_\_\_.
2. In our solar system, which object do the other objects travel around? Circle the correct answer.
  - a. Earth
  - b. the moon
  - c. the sun
  - d. a comet
3. What is the largest object in our solar system?
4. Which of the choices below describe the sun's outer layer? Circle the correct answer.
  - a. cold and stormy
  - b. hot and stormy
  - c. cold and still
  - d. hot and still
5. What is the flow of gases and particles from the sun's surface called?

6. Name the four planets in our solar system that are made up mostly of iron and rocks.



7. What is the name of the band of small icy and rocky objects that orbit the sun beyond Neptune?

8. Pluto is large enough to be considered a \_\_\_\_\_ planet.

9. Match each planet in column A with the number of moons that it has in column B.

- |               |                      |
|---------------|----------------------|
| _____ Earth   | A. at least 63 moons |
| _____ Mars    | B. at least 60 moons |
| _____ Jupiter | C. at least 27 moons |
| _____ Saturn  | D. at least 13 moons |
| _____ Uranus  | E. 2 moons           |
| _____ Neptune | F. 1 moon            |

10. What are the planets' rings made up of?

## True or False?

Read the statements below and decide if the statements are true. Write YES next to the statement that is TRUE. Write NO next to the statement that is FALSE.

(YES) True, (NO) False

11. \_\_\_\_\_ Comets are made up mainly of fire.
12. \_\_\_\_\_ Comets in our solar system come from the Oort cloud or the Kuiper belt.
13. \_\_\_\_\_ The asteroid belt is located between the orbits of Jupiter and Saturn.
14. \_\_\_\_\_ The smallest asteroid in the asteroid belt is called Ceres.

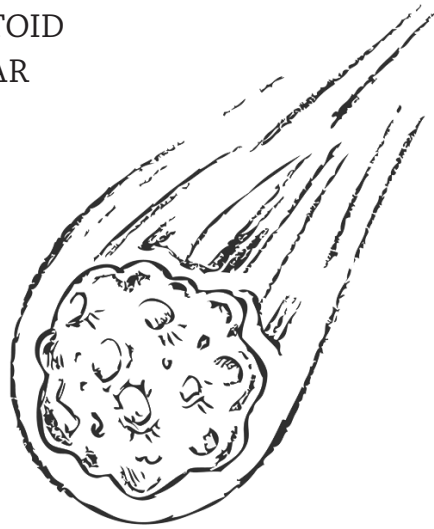
15. \_\_\_\_\_ Meteoroids are smaller than asteroids.
16. \_\_\_\_\_ When a meteoroid reaches the ground, it is called a meteorite.
17. \_\_\_\_\_ Many scientists believe that our solar system formed from the solar nebula.
18. \_\_\_\_\_ The solar nebula was a giant, watery planet.
19. \_\_\_\_\_ As the solar nebula shrank, it spun faster and formed into a ball shape.
20. \_\_\_\_\_ Scientists believe that the sun, moon, and other objects in our solar system were made as the solar nebula shrank and spun.

## Find It!

21-29. Find the vocabulary words hidden in the puzzle below and circle them with a pencil. The words may be spelled out vertically (up and down), horizontally (across), or diagonally (slanted). Also, the words may be spelled in the right order, or they may be spelled backwards.

ASTEROID	GANYMEDE	ORBIT
CERES	METEOROID	PLUTOID
COMET	NEBULA	SOLAR

N D S W T U Y D H D  
 E I E P N E S B I Z  
 B O R B L Q M O B S  
 U R E Z N U R O O G  
 L O C H F E T L C H  
 A E R J T K A O S S  
 K T T S J R U H I I  
 L E A K A L I N U D  
 I M G A N Y M E D E  
 T I B R O N Q Q F T



## Read more about the Solar System by visiting World Book's eBook collection:

*Learning About the Sun, Moon, Planets, and Stars.* Chicago: World Book, 2014. Arts and Crafts.

World eBook. Web. 1 Nov. 2015.

<<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn: 978-0-7166-0245-3/detail.do>>.



# Teacher Page

## Answers:

1. A solar system is a group of objects that *travels through space*.
2. c. the sun
3. The sun
4. b. hot and stormy
5. The solar wind
6. Mercury, Venus, Earth, and Mars
7. The Kuiper belt
8. Pluto is large enough to be considered a *dwarf* planet.
9. F. Earth has 1 moon.  
E. Mars has 2 moons.  
A. Jupiter has at least 63 moons.  
B. Saturn has at least 60 moons.  
C. Uranus has at least 27 moons.  
D. Neptune has at least 13 moons.
10. Dust, rock, and ice chunks
11. False
12. True
13. False
14. False
15. True
16. True
17. True      N D S + T + + + D
18. False      E I E P + E + + I +
19. False      B O R + L + M O + S
20. True      U R E + + U R O O +
- 21-29.      L O C + + E T L C +  
A E + + T + A O + +  
+ T + S + R + + I +  
+ E A + + + + + D  
+ M G A N Y M E D E  
T I B R O + + + + +