

## True or False

Follow the instructions to complete the activity.

NAME

DATE

Using information from *Space*, verify whether the following statements are true or false. Check your answers in the book. List the page number where you found the information beside your answer.

**Statement 1**

The planets orbit the Sun.

☐ True

☐ False

Page  
Number

**Statement 2**

Mercury has no atmosphere.

☐ True

☐ False

Page  
Number

**Statement 3**

The Sun is a star at the end of the solar system.

☐ True

☐ False

Page  
Number

**Statement 4**

Venus is the first planet from the Sun.

☐ True

☐ False

Page  
Number

**Statement 5**

All of the five main dwarf planets, apart from Ceres, orbit the Sun in the Kuiper Belt.

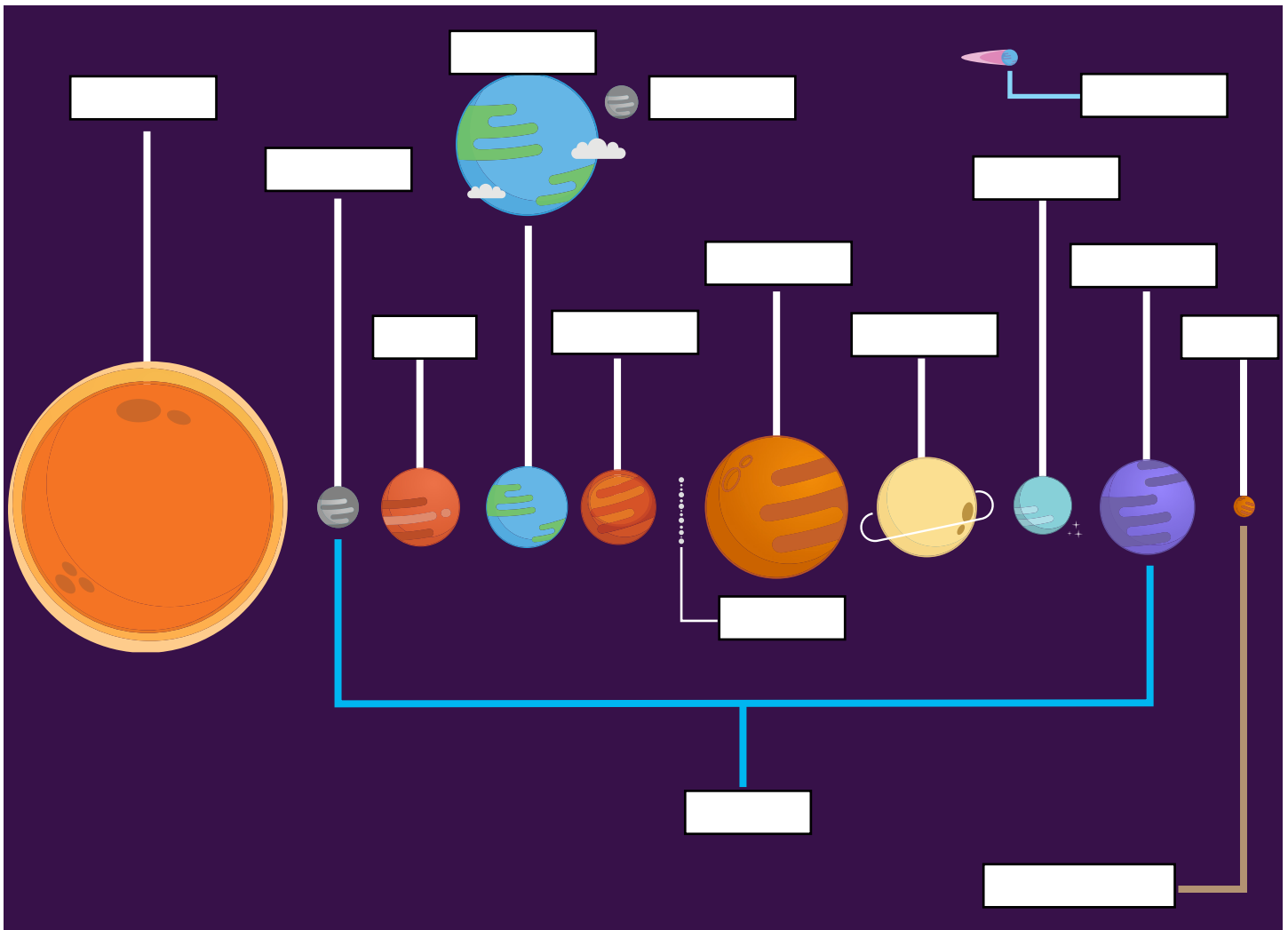
☐ True

☐ False

Page  
Number



Using information found in the book, label each component of the solar system.



## Fill in the Blanks

Follow the instructions to complete the activity.

NAME

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Use the information found in *Space* to help you complete the following activity.

- 1.** The solar system is shaped like an .
- 2.** Earth is constantly spinning on its  and does one full rotation about every 24 hours.
- 3.** The planet  is named after the Roman goddess of love and beauty.
- 4.** When we see a shooting star, it is actually a  flashing through the sky.
- 5.** Only one spacecraft, , has ever flown by Neptune.



Using information from the book, select an answer from the right and write the letter in the box beside the statement.

1.

Temperatures on Venus can reach as high as this many degrees Fahrenheit.

**A. 98**

2.

Hydrogen makes up this percent of the Sun.

**B. 31**

3.

It takes this many minutes for light from the surface of the Sun to travel to Earth.

**C. 70**

4.

Mercury orbits around the Sun at a speed of this many miles per second.

**D. 141.6**

5.

There are more than this many known asteroids in the solar system.

**E. 8**

6.

Mars is about this many million miles from the Sun.

**F. 869**

7.

More than this many Earths would fit inside Jupiter.

**G. 600,000**



## Test Your Knowledge

Follow the instructions to complete the activity.

NAME

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Test your knowledge of space by answering these questions.

**What is the surface of Mars like?**

**What are the main dwarf planets?**

**What is the Great Red Spot?**

**What are asteroids?**



## Space Quiz

Test your knowledge by answering these quiz questions.

NAME

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**1**

How old is the solar system estimated to be?

**2**

What is the largest object in the solar system?

**3**

How many Earth days does it take Venus to orbit around the Sun?

**4**

What percentage of Earth is covered by water?

**5**

On which planet is the solar system's largest volcano found?

**6**

How many moons does Jupiter have?

**7**

What type of object is Pluto?

**8**

Where do more asteroids orbit the Sun?



## Key Words Match-Up

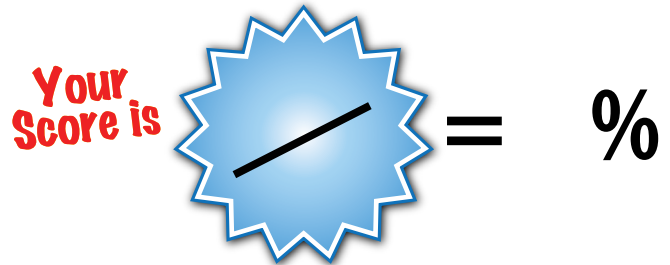
Write the words from the list below in the box above the correct definition for each word. Check your answers on page 31 of the book.

NAME

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### KEY WORDS

asteroids	mass
astronomers	meteor
axis	nickel-iron
comets	orbit
galaxy	terrestrial planets



- a mix of metals that make up the majority of most planet's core
- rocky and irregularly shaped bodies that orbit around the Sun
- small objects made out of ice and dust that, when near the heat of the Sun, melt slightly to create long tails behind them
- the internal line around which an object such as a planet or moon spin
- the amount of matter that a body or object contains
- many solar systems, stars, and planets that all orbit around a central point, most commonly a black hole
- people who study the universe and the objects in space
- a piece of rock or other matter that produces a bright light as it heats up in the atmosphere
- planets that have a rocky surface, such as Mercury, Venus, Earth, and Mars
- the path that a smaller object in space makes around a larger object in space because of gravity

