

NAME

DATE

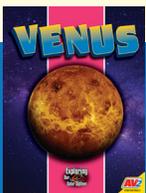
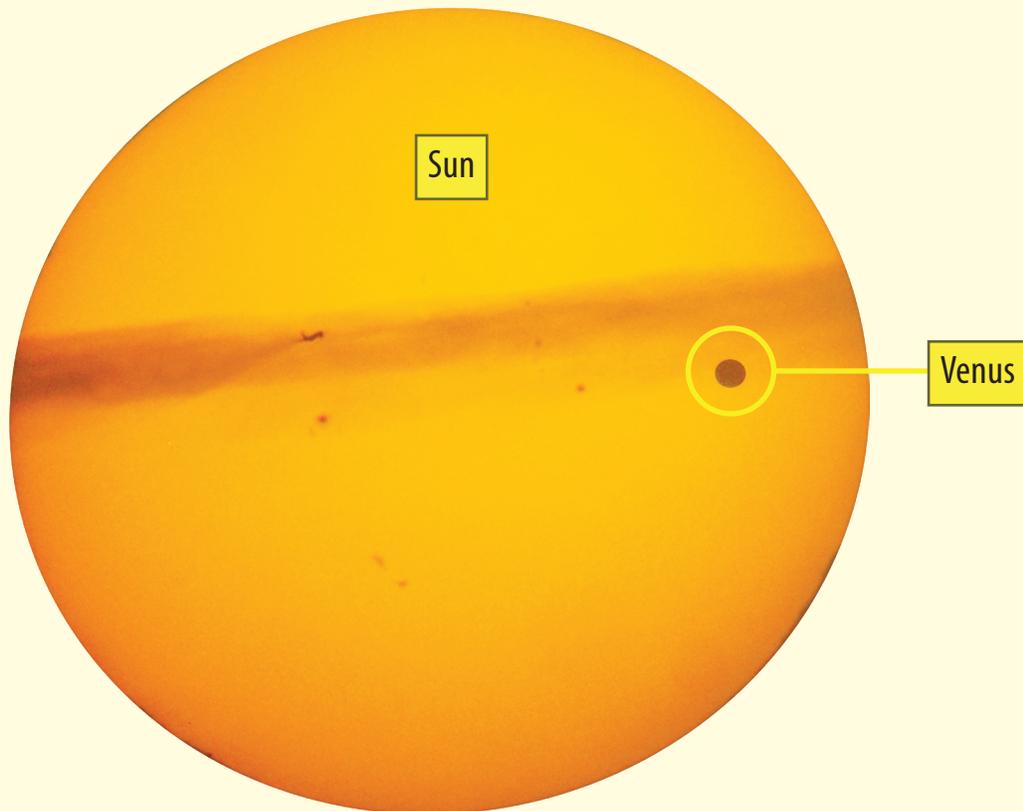
Test your knowledge by answering these questions about Venus's missing moon. Check your answers on page 7 of the book.

1. Which two planets in the solar system have no known moons?

2. What do some astronomers believe about the relationship between Venus and Mercury?

3. Which planet do some scientists believe broke away from Venus's orbit?

4. What was the name of the moon astronomers once believed belonged to Venus?



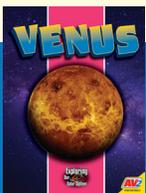
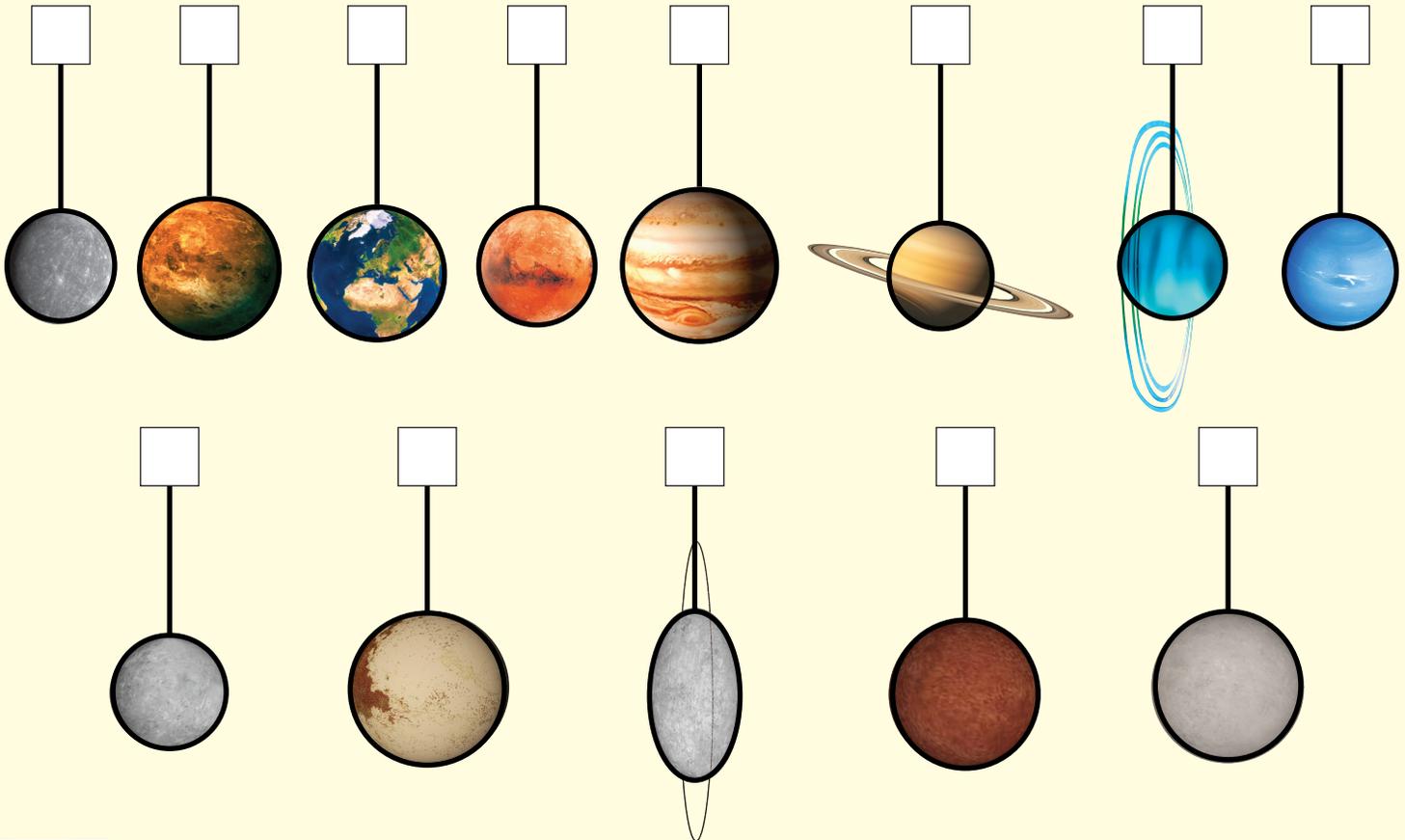
Follow the instructions below to complete the activity.

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Label each of the eight planets and five dwarf planets. Use the special sentence you learned from the book to help you remember the order of the eight planets.

- |   |          |   |         |    |        |    |       |
|---|----------|---|---------|----|--------|----|-------|
| 1 | Makemake | 5 | Jupiter | 9  | Saturn | 13 | Earth |
| 2 | Neptune  | 6 | Haumea  | 10 | Venus  |    |       |
| 3 | Mars     | 7 | Ceres   | 11 | Uranus |    |       |
| 4 | Mercury  | 8 | Pluto   | 12 | Eris   |    |       |



Test your knowledge of Venus by answering the following brain teasers. Check your answers in the book.

1. What are the clouds on Venus made of?

2. What type of planet is Venus?

3. Which two planets spin in the opposite direction to Earth?

4. How are Earth and Venus similar?

5. What makes up most of the atmosphere on Venus?

Below are some number facts about Venus. Place each number in the correct sentence to make a true statement about Venus.

**7,926**

**7,521**

**867**

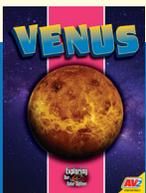
**225**

1. The mean temperature on Venus is  degrees Fahrenheit.

2. Venus takes  Earth days to orbit the Sun.

3. Venus is  million miles from the Sun.

4. Venus is  miles in diameter.



Read the following questions. Then, select the correct answer to each question.

1. Why is it difficult for probes to get close to Venus?

- The planet is too hot
- The planet's high atmospheric pressure
- The poisonous gases
- The planet is too far from Earth

2. Who launched Venus Express?

- NASA
- The European Space Agency
- The Canadian Space Agency
- The Russian Space Agency

3. What did Venus Express do between the years 2006 and 2014?

- Successfully landed on Venus
- Studied Venus's oceans
- Mapped much of Venus
- Studied the planet's atmosphere

4. Which space probe mapped parts of Venus?

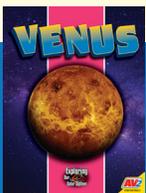
- Venus Express
- Messenger
- Magellan
- Akatsuki

5. Why is it difficult to get photographs of the surface of Venus?

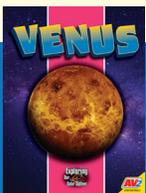
- Poisonous gases
- High temperatures
- Thick clouds
- Dust storms

6. How have probes gathered information about Venus?

- By landing on the planet
- By using telescopes
- With x-ray technology
- With radar equipment



Learn more about one of the planet watchers featured on pages 18 and 19 of the book. Research this person using books and the internet. Then, write a biography about him or her using this concept web as a guide.



# Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

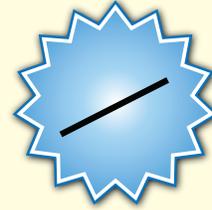
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## KEY WORDS

astronomers  
atmospheric pressure  
comets  
gravity  
greenhouse effect  
Mayans  
mythology  
orbit  
phases  
radar

Your Score is



%

1.

stories or legends, often about gods or heroes

2.

Native Americans who lived in southern Mexico and Central America

3.

equipment that uses radio waves to measure the distance and shape of objects

4.

a force that pulls objects toward the center

5.

the nearly circular path a space object makes around another object in space

6.

small objects in space made from dust and ice

7.

the appearance or shape of the Moon or a planet as seen from Earth

8.

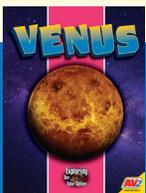
people who study space and its objects

9.

a blanket-like effect in which gases trap heat, but do not let it out

10.

weight of the gases surrounding a planet



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1

Venus is the coldest planet. True or False?

2

What is the highest peak on Venus?

3

Who is Venus named after?

4

Why have some space probes been crushed upon approaching Venus?

5

Venus can be seen in the sky only during the evening. True or False?

6

Earth and Venus have a similar atmosphere. True or False?

7

How many moons does Venus have?

8

In what way is Venus similar to the Moon?

9

Which planet is closer to the Sun: Venus or Mercury?

10

Which ancient people used Venus to help them create a calendar?

