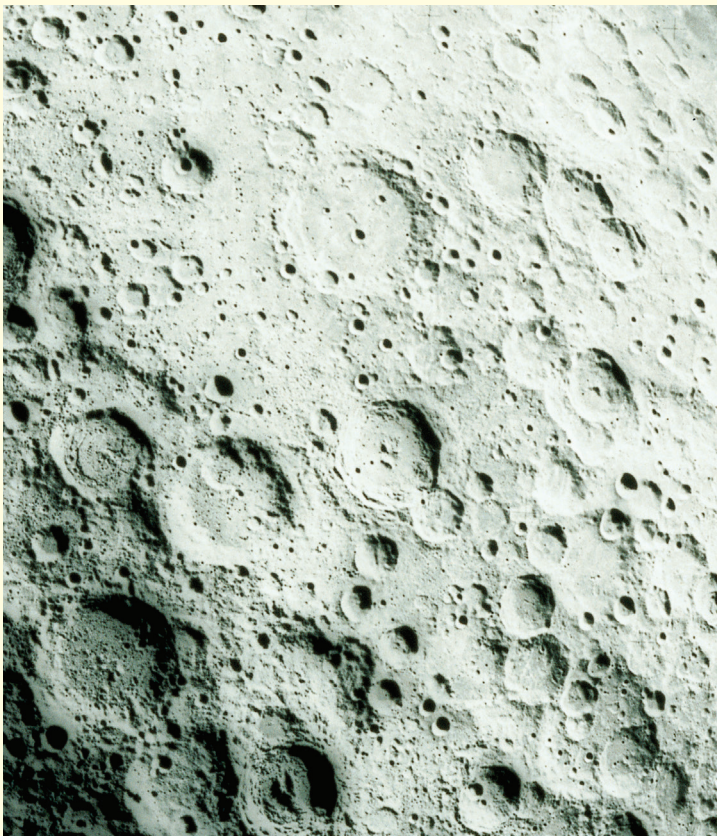


Test your knowledge by answering these questions about Mercury's missing moon.
Check your answers on page 7 of the book.

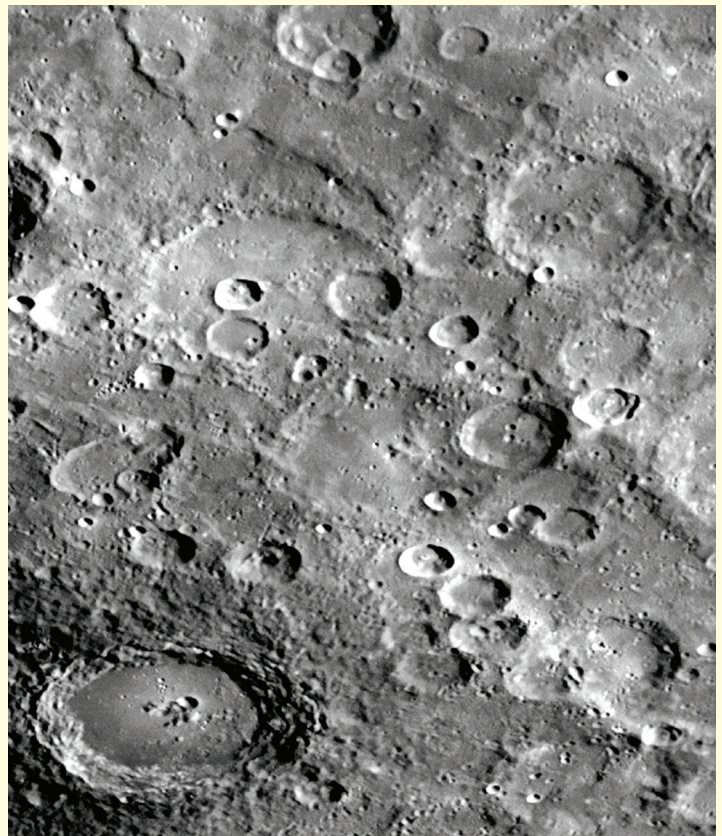
1. What do some scientists believe about the relationship between Venus and Mercury?

2. How is the surface of Earth's moon similar to Mercury?

3. Which two planets in the solar system have no moon?



Earth's Moon

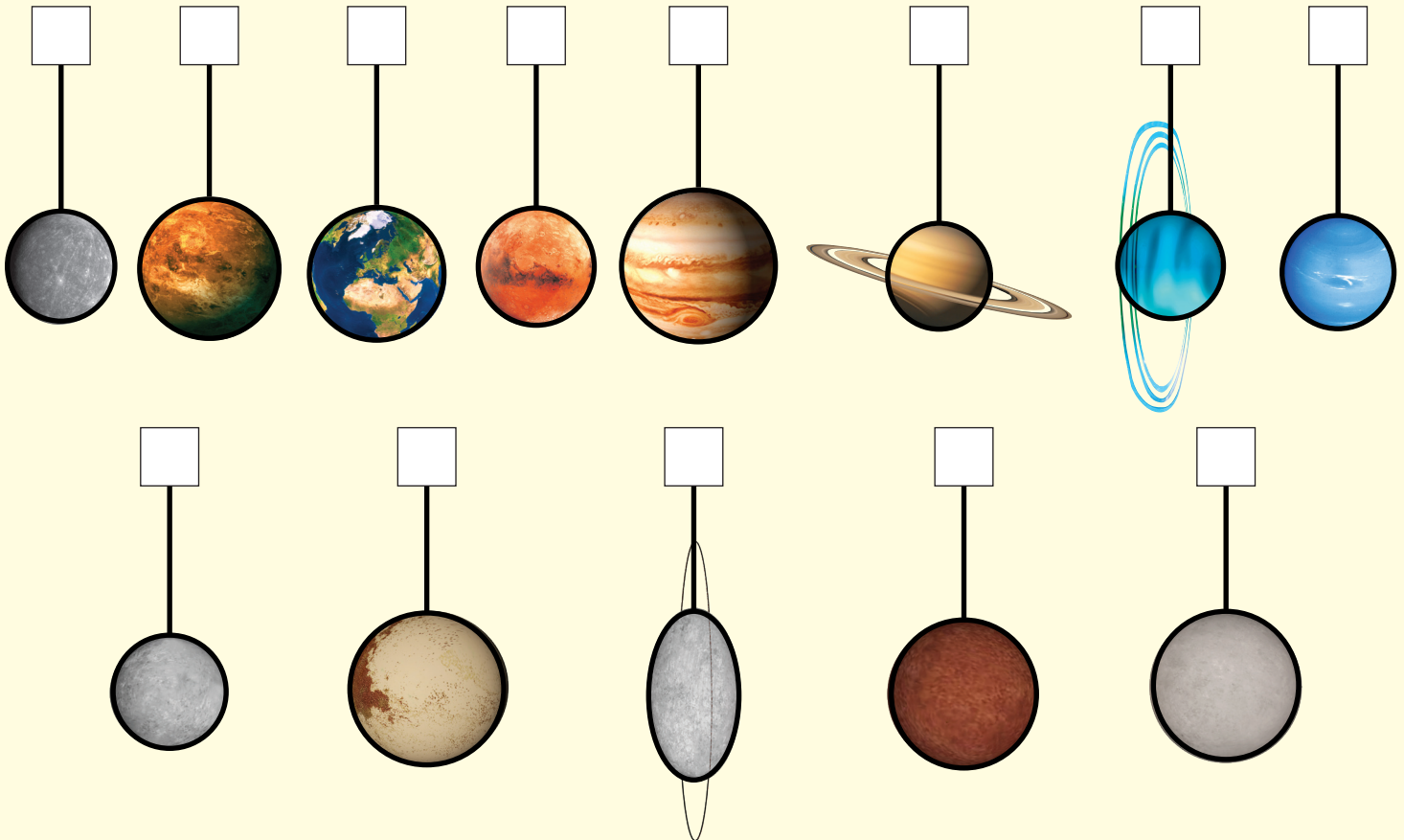


Mercury



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



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

1. Mercury's diameter is only a little more than one-third of which planet's diameter?

2. What is the Caloris Basin?

3. How large is Mercury in comparison to the other planets in the solar system?

4. Does Mercury travel faster or slower than the other planets in the solar system?

5. How long does it take Mercury to complete one rotation?

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

88

36

333

3,032

1. The mean temperature on Mercury is degrees Fahrenheit.

2. Mercury takes Earth days to orbit the Sun.

3. Mercury is miles in diameter.

4. Mercury is million miles from the Sun.



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

1. How many space probes have flown by or orbited Mercury?

☐ Two
☐ Four
☐ Five
☐ Eight

2. When was Mariner 10 launched?

☐ 1975
☐ 1989
☐ 1973
☐ 1990

3. When did MESSENGER begin to orbit Mercury?

☐ 2018
☐ 2012
☐ 2005
☐ 2011

4. Which spacecraft was the first to orbit Mercury?

☐ MESSENGER
☐ Mariner 10
☐ Mariner 9
☐ BepiColombo

5. Which space probe was launched in 2018?

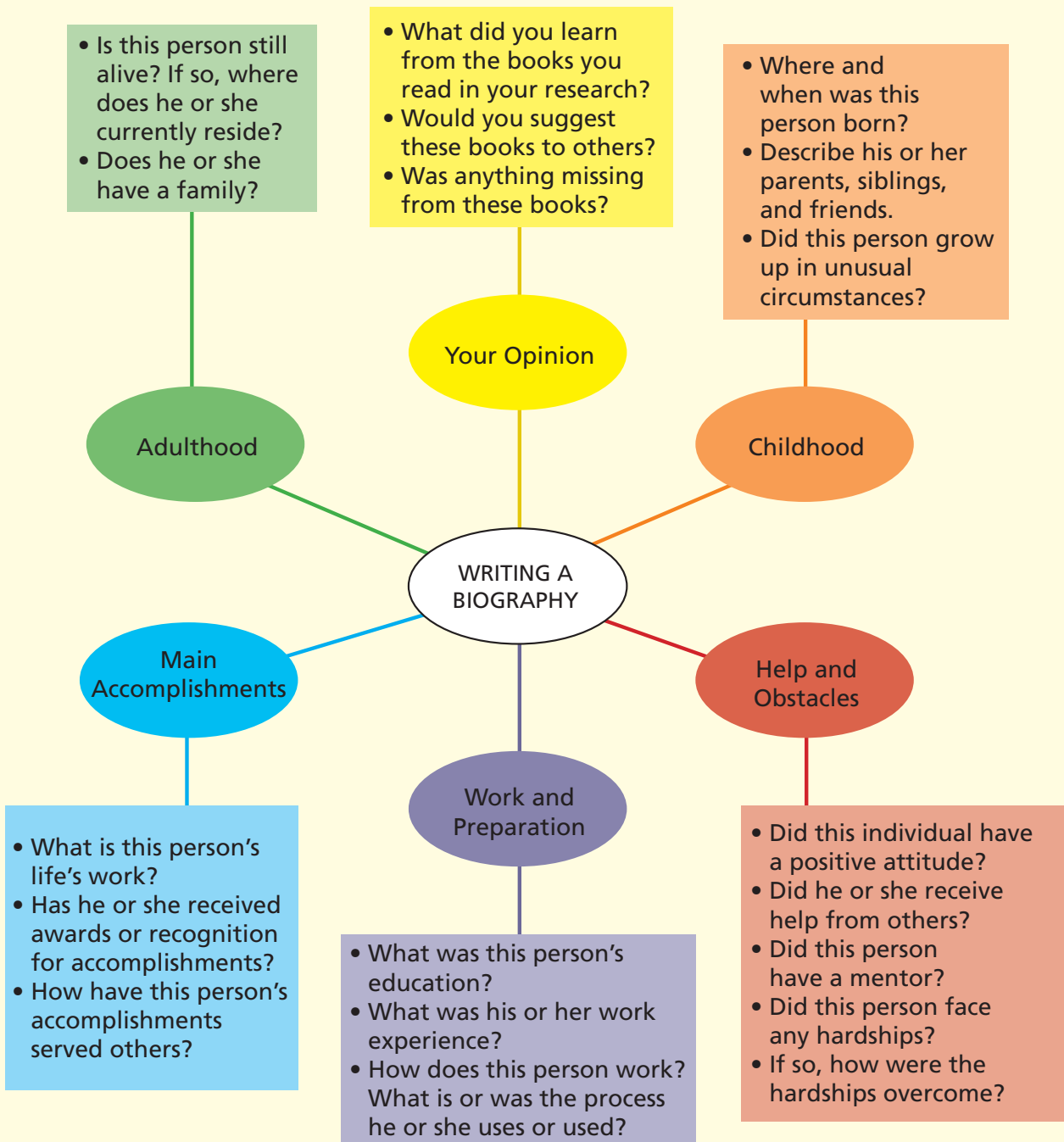
☐ Mariner 10
☐ BepiColombo
☐ Juno
☐ Viking

6. When is BepiColombo expected to fly by Mercury?

☐ 2022
☐ 2021
☐ 2030
☐ 2024



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.

NAME

DATE

KEY WORDS

astronomers
axis
comets
crater
horizon

MESSENGER
orbit
solar system
space probes
transits

**Your
Score is**



%

1.
travels across
2.
large pit or basin on the surface of a planet
3.
the Sun, the planets, and other objects that move around the Sun
4.
MErcury Surface, Space ENvironment, GEochemistry, and Ranging
5.
small objects in space made from dust and ice

6.
people who study space and its objects
7.
an imaginary line where sky and ground seem to meet
8.
the nearly circular path a space object makes around another object in space
9.
an imaginary line on which a planet spins
10.
spacecraft used to gather information about space



NAME

DATE

1

How many moons does Mercury have?

2

What was the name of the first space probe to orbit Mercury?

3

There are many oceans on Mercury. True or False?

4

Is Mercury the closest or farthest planet from the Sun?

5

Who is Mercury named after?

6

The surface of Mercury is full of craters. True or False?

7

When is Mercury visible in the sky?

8

At what speed does Mercury travel in its orbit?

9

Which astronomer created a detailed map of Mercury's surface?

10

It is always hot on Mercury. True or False?

