



# Solar System

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

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

Grade: Grade 5

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. Mercury takes about \_\_\_\_\_ Earth days to complete one orbit around the Sun.
2. The largest volcano in the solar system, Olympus Mons, is found on \_\_\_\_\_.
3. Saturn is the least \_\_\_\_\_ planet and could theoretically float on water.
4. Venus rotates in the opposite direction from most planets, which is called \_\_\_\_\_ rotation.
5. Jupiter's Great Red \_\_\_\_\_ is a massive storm that has raged for hundreds of years.
6. Neptune appears \_\_\_\_\_ in color because methane in its atmosphere absorbs red light.
7. Uranus is tilted on its side at about \_\_\_\_\_ degrees, making its seasons extreme.
8. Earth's protective \_\_\_\_\_ shields living things from harmful radiation from the Sun.
9. Mars has two small moons named Phobos and \_\_\_\_\_.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mercury



\_\_\_\_\_

Hottest planet due to a thick carbon dioxide atmosphere

Venus



\_\_\_\_\_

Has a famous ring system made of ice and rock particles

Jupiter

Smallest planet

## Answer Key · Solar System · Grade: Grade 5

---

### Part A: Fill in the Blank

---

Write the missing word or number on each line.

1. Mercury takes about 88 Earth days to complete one orbit around the Sun.
2. The largest volcano in the solar system, Olympus Mons, is found on Mars.
3. Saturn is the least dense planet and could theoretically float on water.
4. Venus rotates in the opposite direction from most planets, which is called retrograde rotation.
5. Jupiter's Great Red Spot is a massive storm that has raged for hundreds of years.
6. Neptune appears blue in color because methane in its atmosphere absorbs red light.
7. Uranus is tilted on its side at about 98 degrees, making its seasons extreme.
8. Earth's protective atmosphere shields living things from harmful radiation from the Sun.
9. Mars has two small moons named Phobos and Deimos.

### Part B: Matching

---

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mercury	→ <u>Smallest planet with no atmosphere and extreme temperature swings</u>	Hottest planet due to a thick carbon dioxide atmosphere
Venus	→ <u>Hottest planet due to a thick carbon dioxide atmosphere</u>	Has a famous ring system made of ice and rock particles