



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 with no atmosphere and

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