



# Solar System

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

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

Grade: Grade 5

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. The Voyager 1 spacecraft launched in 1977 is now the farthest human-made \_\_\_\_\_ from Earth.
2. NASA's Juno mission orbits \_\_\_\_\_ to study its atmosphere, magnetic field, and interior.
3. The Cassini spacecraft spent thirteen years studying Saturn and its \_\_\_\_\_ before its mission ended in 2017.
4. A \_\_\_\_\_ year is the distance light travels in one year, roughly 5.88 trillion miles.
5. The Kuiper Belt is a region of icy objects beyond the orbit of \_\_\_\_\_.
6. The New Horizons mission flew past \_\_\_\_\_ in 2015, revealing mountains of ice on its surface.
7. A space \_\_\_\_\_ is a reusable vehicle that can launch like a rocket and land like an airplane.
8. The Perseverance rover collects rock \_\_\_\_\_ on Mars to be returned to Earth by a future mission.
9. Our solar system is located in a galaxy called the \_\_\_\_\_ Way.

## Part B: Matching

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

1. Match each item to its correct answer.

Voyager  
missions

→

\_\_\_\_\_

First crewed  
mission to land  
on the Moon in  
1969

Hubble Space  
Telescope

→

\_\_\_\_\_

Explores the  
Martian surface  
collecting data  
and rock  
samples

**Part A: Fill in the Blank**

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Write the missing word or number on each line.

1. The Voyager 1 spacecraft launched in 1977 is now the farthest human-made object from Earth.
2. NASA's Juno mission orbits Jupiter to study its atmosphere, magnetic field, and interior.
3. The Cassini spacecraft spent thirteen years studying Saturn and its rings before its mission ended in 2017.
4. A light year is the distance light travels in one year, roughly 5.88 trillion miles.
5. The Kuiper Belt is a region of icy objects beyond the orbit of Neptune.
6. The New Horizons mission flew past Pluto in 2015, revealing mountains of ice on its surface.
7. A space shuttle is a reusable vehicle that can launch like a rocket and land like an airplane.
8. The Perseverance rover collects rock samples on Mars to be returned to Earth by a future mission.
9. Our solar system is located in a galaxy called the Milky Way.

**Part B: Matching**

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

1. Match each item to its correct answer.

Voyager missions	→ <u>Flew past all four outer planets sending data back to Earth</u>	First crewed mission to land on the Moon in 1969
Hubble Space Telescope	→ <u>Orbiting telescope that captures images of distant stars and galaxies</u>	Explores the Martian surface collecting