



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

Apollo 11



Orbiting telescope that captures images of distant

Answer Key · Solar System · 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 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

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

1. Match each item to its correct answer.

Voyager
missions

→ Flew past all four outer planets sending data back to Earth

First crewed
mission to
land on the
Moon in
1969

Hubble
Space
Telescope

→ Orbiting telescope that captures images of distant stars and galaxies

Explores the
Martian
surface
collecting
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rock samples