

## Solar System Detective

Using the “Atlas of the Solar System” answer the following questions

What star is at the center of the Solar System?

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Which planet is closest to the Sun?

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Which planet is the ‘third rock from the Sun’?

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Which is the biggest planet?

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Which planet is famous for its rings?

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Which is the ‘red planet’?

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A rock orbiting the Sun, between Mars and Jupiter.

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The planet with the Great Red Spot.

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The hottest planet.

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Which is further from the Sun, Earth or Mars?

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How many moons has the Earth?

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Which two planets have the most moons?

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Europa is a moon which might support life. Which vital substance does it have?

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What are comets made of?

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Which way does a comet’s tail point?

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Planet's orbits are nearly circular. What shape is a comet's?

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Which liquid on Earth is necessary for life?

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Name two gases produced by living organisms.

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The Earth has seasons because its axis is tilted. What is the angle of its tilt?

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Which planet has a similar tilt, so that it has similar seasons?

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Does Mercury have seasons?

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Why is it impossible to see Venus's surface from Earth?

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Which spacecraft mapped Venus's surface?

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Why is there no life on Venus?

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Which planet was regarded by the Romans as the god of travel and by the Greeks as the "winged messenger" of the gods.

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Which planet was explored by Mariner 10

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Which planet is the third brightest object in the night sky

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Deimos is the moon of which planet

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Which planet orbits the Sun at an average distance of 778 million kilometers?

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How long does it take the sun to orbit the galaxy?

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Which of Uranus's moons is named after a female character from Shakespeare's play "The Taming of the Shrew".

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Which moon shows that has an outer layer of water ice.?

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Which comet crashed into Jupiter.

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Which planet swings out beyond Pluto for 20 years out of 248

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Which planet has an atmosphere with temperatures and pressures so severe that hydrogen gas turns to metal

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Which planet has the largest volcano

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What was the name of the landing site for the Viking 1 Lander

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What is the sun made out of?  
soil                      volcanoes      gases

What planet comes after Venus?  
Mars                      Earth                      Mercury

Which planet has the most moons?  
Saturn                      Uranus                      Jupiter

Which two planets or dwarf planets have no moons?  
Mercury and Venus                      Mars and Pluto                      Neptune and Uranus

What makes the planet Mars look like it is red?  
the rain and clouds                      fire from volcanoes                      the iron in the soil

Which planet is Earth's nearest neighbor in space?  
Mercury                      Mars                      Venus

What are the rings of Saturn made from?.

gases & clouds

large pieces of ice and rock

wind & storms