

# The Planets - Quiz Questions

All images used in the program are from NASA or their affiliates. The compilation of date is ©2010 by [Leo Taylor Photos](#)

1 - Which is the largest planet in our solar system?

a) Jupiter! Jupiter is the largest planet in our solar system.

2 - Which planet in our solar system is the closest to the Sun?

a) Mercury! Mercury at its closest, is approximately, 46.0 million kilometers (28.7 million miles), to 70 million kilometers (44 million miles) at its farthest point from the Sun.

3 - What planet comes the closest to the planet Earth?

a) Venus! At its closest orbit to the Earth it's only 38 million kilometers (23.6 million miles) from Earth. When Venus is the greatest distance from Earth, 261 million kilometers, Mars can be closest at 55 million kilometers.

4 - Using an average distance, how far is the moon from the Earth, 356,000 kilometers, 384,000 kilometers or 420,000 kilometers?

356,000 km. = 221,208 miles

384,000 km. = 238,606

420,000 km. = 260,976

a) Average, 384,000 (384,392 kilometers or 238,850 miles)! The distance varies depending on the moon's orbit. At perigee (closest approach) it is 356,334 kilometers (221,415 miles), or 405,503 kilometers (251,968 miles) when at apogee, its farthest point from Earth.

5 - Which planet is noted for the rings around it, Jupiter, Saturn or Neptune?

a) Saturn! Saturn's nine rings consist of ice particles with and a smaller amount of dust and debris.

6 - Previously it was stated that there were 9 planets in our solar system. Now there are eight, which planet is now considered a dwarf-planet and no longer qualifies according to the IAU?

a) Pluto! The planet Pluto is now considered a dwarf-planet by the IAU as they have changed the definition of the word, 'planet'.

*IAU stands for the International Astronomy Union*

7 - The planet Venus is located where in the solar system, 2nd, 4th, or 6th, from the Sun?

a) 2nd! Venus is the second planet from the Sun, after Mercury. The 4th is Mars and the 6th is Saturn.

8 - The planets Earth and Mars are in which area, the Inner or Outer area of space?

a) Both Earth and Mars are located in the Inner Planet area of space.

9 - The planets known as the, Outer and Inner Planets are separated by which of the following, an asteroid belt, the Sun or a moon?

a) Asteroid Belt! The Outer and Inner Planets are separated by an asteroid belt. They are between the planets Mars and Jupiter.

## The Planets - Quiz Questions

10 - The 4 Inner planets (Mercury, Venus, Earth and Mars) are called which, terrestrial planets, or gases planets?

a) Terrestrial planets! The four Inner planets, Mercury, Venus, Earth and Mars, are made of rock and metal. The four Outer planets are larger than the 4 Inner terrestrials. Jupiter and Saturn are composed mostly of the gases, helium and hydrogen, and the ice giants, Uranus and Neptune being mostly a mixture of water, ammonia and methane.

11 - Does the planet Jupiter have over 20 moons?

a) yes! Jupiter has over 25 named moons, but scientists figure there are over 63 moons with the largest being Ganymede.

*Chose of two answers:*

yes or no

12 - Which is Saturn's largest moon called, Enceladus, Rhea or Titan?

a) Titan! Titan is Saturn's largest moon, it is larger than the planet Mercury. Enceladus is the six-largest moon of Saturn and Rhea is the second largest of Saturn's moon and the 9th largest in the solar system.

13 - Which planet has a moon called Triton, Jupiter, Uranus or Neptune?

a) Neptune! The planet Neptune has a moon called Triton. Two other Neptune moons are, Proteus and Nereid.

14 - The moon Oberon is the moon of which planet, Mercury, Mars or Uranus?

a) Uranus! Oberon is a moon of the planet Uranus and its also known as Uranus IV. Oberon is the second largest of Uranus' moon.

15 - Would the planet Venus fit inside of Earth?

a) Yes! Venus would fit into Earth 1.15 times as the Earth is larger than Venus. Surface area of Venus compared to earth's is 0.902.

*Chose of two answers:*

Yes or No

16 - Approximately how many Earths would fit into the planet Jupiter, 7, 11, or 22?

a) 11! Approximately 11 Earths would fit inside the planet Jupiter. Known as a Jovian planet Jupiter is larger than all of the other planets in our solar system combined.

16 - Which takes up the largest percentage of the Earth's surface, land or water?

a) water! The earth's surface is covered by approximately 71% water with land making up the rest.

*Chose of two answers:*

land or water

Land: 148,940,000 square kilometers (or 29.1 %)

Water: 361,132,000 square kilometers (or 70.9 %)

Total surface is: 510,072,000 square kilometers (100%)

## The Planets - Quiz Questions

17 - When scientists speak of the Galilean moons, the moons of which planet are they referring to, Saturn, Jupiter or Mars?

a) Jupiter! The Galilean moons are the moons Io, Europa, Ganymede and Callisto that circle the planet Jupiter. The 4 moons were discovered by Galileo Galilei around 1610, with his improved telescope

18 - How many moons does the planet Venus have, 1, 3, or none?

a) none! The planet Venus has no moons. However, Venus has the hottest average surface temperature (449° Celsius or 850° Fahrenheit) of all the planets.

19 - The planet Mars has how many moons, 1, 2, or 3?

a) 2! Mars has two moons, Deimos and Phobos. Phobos is the larger of the two, with Deimos having what is thought to be a thick layer of dust covering its surface.

20 - Which planet was named after the Roman god of war, Mars, Mercury, or Jupiter?

a) Mars! Mars was the Roman god of war. The planet is also known as the Red planet on account of the iron oxide giving it a reddish appearance. The name Mercury, is that of a Roman god, which the Greeks called Hermes. The name Jupiter is from Roman mythology, a god equivalent to the Greek god, Zeus.

### **Internet Links**

Solar System and Beyond - NASA

<http://sse.jpl.nasa.gov/planets/index.cfm>

Main Hubble Page - NASA

<http://hubble.nasa.gov/>

NASA Home Page (with image Link)

<http://www.nasa.gov/home/index.html>

Solar System - Wikipedia (also Moons)

[http://en.wikipedia.org/wiki/Solar\\_System](http://en.wikipedia.org/wiki/Solar_System)

List of Solar System Objects by Size - Wikipedia

[http://en.wikipedia.org/wiki/List\\_of\\_Solar\\_System\\_objects\\_by\\_size](http://en.wikipedia.org/wiki/List_of_Solar_System_objects_by_size)

Planets - Zoom Astronomy

<http://www.enchantedlearning.com/subjects/astronomy/planets/>

The Nine(8) Planet Solar System

<http://www.nineplanets.org/>

All images used in the program are from [NASA](#) or their affiliates. The compilation of the data is ©2010 by [Leo Taylor Photos](#).