



# The Nine Planets



## Mars Worksheets

### MARS

**QUICK FACTS**

- > Average distance from the sun: **141.6 million miles** (227.9 million km)
- > Length of solar day (single rotation on its axis): **24.6 hours**
- > Length of year (single revolution around the sun): **669.6 days**
- > Equatorial inclination to orbit: **25.2 degrees**
- > Diameter of Mars: **6,779 km/4,212 mi**

**Mars** is the fourth planet from the Sun and the second-smallest planet with a thin atmosphere. It has surface features similar to both the impact craters of the Moon, and the valleys, deserts and polar ice caps of Earth. It is the most widely searched planet for life. Its atmosphere is mostly composed of carbon dioxide, nitrogen and argon gases.

- > Mars is named after the Roman God of War due to its red appearance. In different cultures, Mars represents masculinity, youth and its symbol is used as the symbol for the male gender
- > The farthest distance of Mars from Earth is 401 million km. It has a mass of  $6.42 \times 10^{23}$  kilograms, about 10 times less than Earth.



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Once the earliest times, humans have made observations of the solar system that led to the development of models: Geocentric model and Heliocentric model. Differentiate these model using the diagram below.

GEOCENTRIC



HELIOCENTRIC

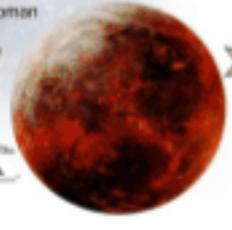


Fill in the correct word that represents each picture to complete the paragraph.

### Mars

Mars is the fourth planet from the  in the . It is cold, with polar ice caps of frozen water and carbon dioxide. It has the largest  in the , and some very large impact .

Mars is named after the Roman God of War due to its RED appearance. It was first observed in 1610 by Galileo Galilei with a .



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

