



## What is beyond the Solar System?

**A. Read the paragraph. Complete the sentences with the words in the box.**

scientists	galaxies	Milky Way	stars	Solar System
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There are billions of \_\_\_\_\_ in the universe. Stars gather in large group called \_\_\_\_\_. A galaxy is a collection of star systems, such as \_\_\_\_\_, gas and dust. The Solar System belongs to a galaxy called the \_\_\_\_\_. Many \_\_\_\_\_ have explored the Solar system and stars over the years. They explore with the help of science, mathematics and tools.

**B. Match each scientist with their discoveries.**



**About 85–165**

Claudius Ptolemy developed a model to predict the movements of the Sun, Moon, planets and stars based on the  model of the universe.



**1048–1131**

Omar Khayyam calculated accurately the number of  in a year.



**1473–1543**

Nicolaus Copernicus developed the  model of the Solar System where the planets move around the Sun in circular orbits.



**1564-1642**

Galileo Galilei designed and made his own . He observed sunspots on the Sun, craters and mountains on the Moon, four of Jupiter's moons, Saturn's rings, and the phases of Venus, among others.



**1571-1630**

Johannes Kepler developed three laws regarding the orbits of planets. One of them states that the planets' orbits around the Sun are  and not circular.

**C. Choose the correct names of the instruments.**

