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

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.

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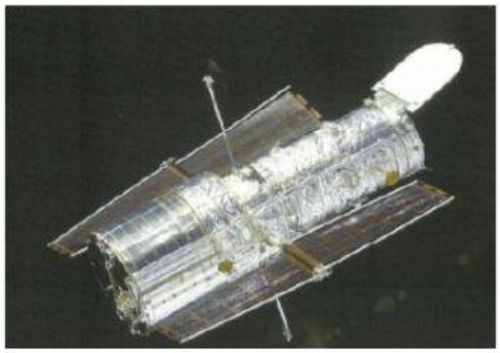
1564–1642
Galileo Galilei designed and made his own _____
He observed sunspots on the Sun, craters and mountains on the Moon, four of Jupiter's moons, Saturn's rings, and the phases of Venus, among others.

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.



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