WHO DISCOVERED WHAT?

The following scientists have made some key astronomical discoveries.

**Copernicus Kepler Galileo Newton**

Match the correct scientist to the discoveries listed below.

Observed sunspots.

Discovered the inverse square law of gravity:

F> GM1M2

r2

Discovered the mathematical relationship

T2 = r3

Between orbital period and distance from sun for comparing 2 planets.

Saw that a band of light across the sky at night (the Milky Way) was made up of stars

Observed that the planets move around the sun in elliptical rather than circular orbits. The sun is found at one focus of the ellipse.

Observed 4 satellites around Jupiter.

Made the first systematic use of a telescope.

Founded spectroscopy based on his observations of light passed through a prism.

The line linking the sun and a planet sweeps out equal areas in equal times.

Discovered the mountains and craters on the moon.

He built the first reflecting telescope.

Discovered that white light is made up of all the colours in the spectrum (ROYGBIV)

Challenged the Ptolemaic (Earth-centred) model of the universe and said that it could be simplified by having the sun in the centre – the heliocentric model.

Discovered that Venus has phases when viewed from Earth.