

**Write:** Describe the Geocentric model in your own words.

A ~~geo~~ Geocentric model is a giant sphere which lets light from heaven shine through. The Earth is in the middle and the other planets are around the edge.

Discuss:

planets & the sun orbits Earth at different distances. The orbits the planets are perfectly spherical round.

Rewrite:

A Geocentric model is where all the planets and the sun orbit the Earth in perfect ~~circles~~ circles within a sphere which lets light from heaven shine through as stars. The planets are perfect spheres.

Now complete these sentences:

In the geocentric model, the Earth is at the centre, but actually the sun is in the ~~center~~ centre.

In the geocentric model, the Earth is at the centre, because the ancient ~~ge~~ Greeks thought Earth was the most important.

In the geocentric model, the Earth is at the centre, so everything orbits the Earth.

orbits must be perfect circles. Because of this, his model could not make accurate predictions about the movement of the planets, but it was so much simpler than the Geocentric model that many astronomers believed it must be correct.

**Write:** Describe the Heliocentric model in your own words.

The Heliocentric model is where the sun is at the centre of the universe and the other planets orbit around it.

**Discuss:**

o It was simpler than the Geocentric model but not more accurate.

**Rewrite:**

Although it wasn't more accurate, the ~~Geocentric~~<sup>Heliocentric</sup> model was simpler than the Geocentric model as it is where the sun is at the centre of the universe and the other planets orbit around it.

Now complete these sentences:

In the heliocentric model, the Sun is at the centre, but the orbits are spherical.

In the heliocentric model, the Sun is at the centre, because they had realised that the Earth moves around the sun.

In the heliocentric model, the Sun is at the centre, so the other planets orbit it.

**Write:** Describe the Heliocentric model in your own words.

The Heliocentric model showed the sun in the centre and the planets orbiting it.

**Discuss:**

→ He Copernicus thought the sky was perfect - he thought the orbits were circular.

**Rewrite:**

The Heliocentric Model shows a perfect ~~model~~ the planets orbiting the sun. The orbits were perfect circles.

Now complete the Similar/Different task on page 8.