



Ptolemy

vs.



Copernicus

Science

# Earth and beyond

I can explain the Geocentric and Heliocentric views.

Wednesday 10th June 2020



# A Geocentric View

## Claudius Ptolemy

Ptolemy lived in Alexandria, Egypt, the second largest city in the Roman Empire. He was a mathematician, geographer and astrologer. His work enabled astronomers to make accurate predictions of planetary positions and solar and lunar eclipses, promoting acceptance of his view of the cosmos in the Byzantine and Islamic worlds and throughout Europe for more than 1400 years.

He believed that the Earth was in the centre of the universe with the Sun, Moon and the other planets rotating round it.





# A Heliocentric View

**Nicolaus Copernicus**, Polish **Mikołaj Kopernik**, German **Nikolaus Kopernikus**, (born February 19, 1473, Toruń, Royal Prussia, Poland—died May 24, 1543, Frauenburg, [East Prussia](#)).

He was an astronomer who proposed a heliocentric system, that the planets orbit around the Sun and that Earth is a planet which, besides orbiting the Sun annually, also turns once daily on its own axis.

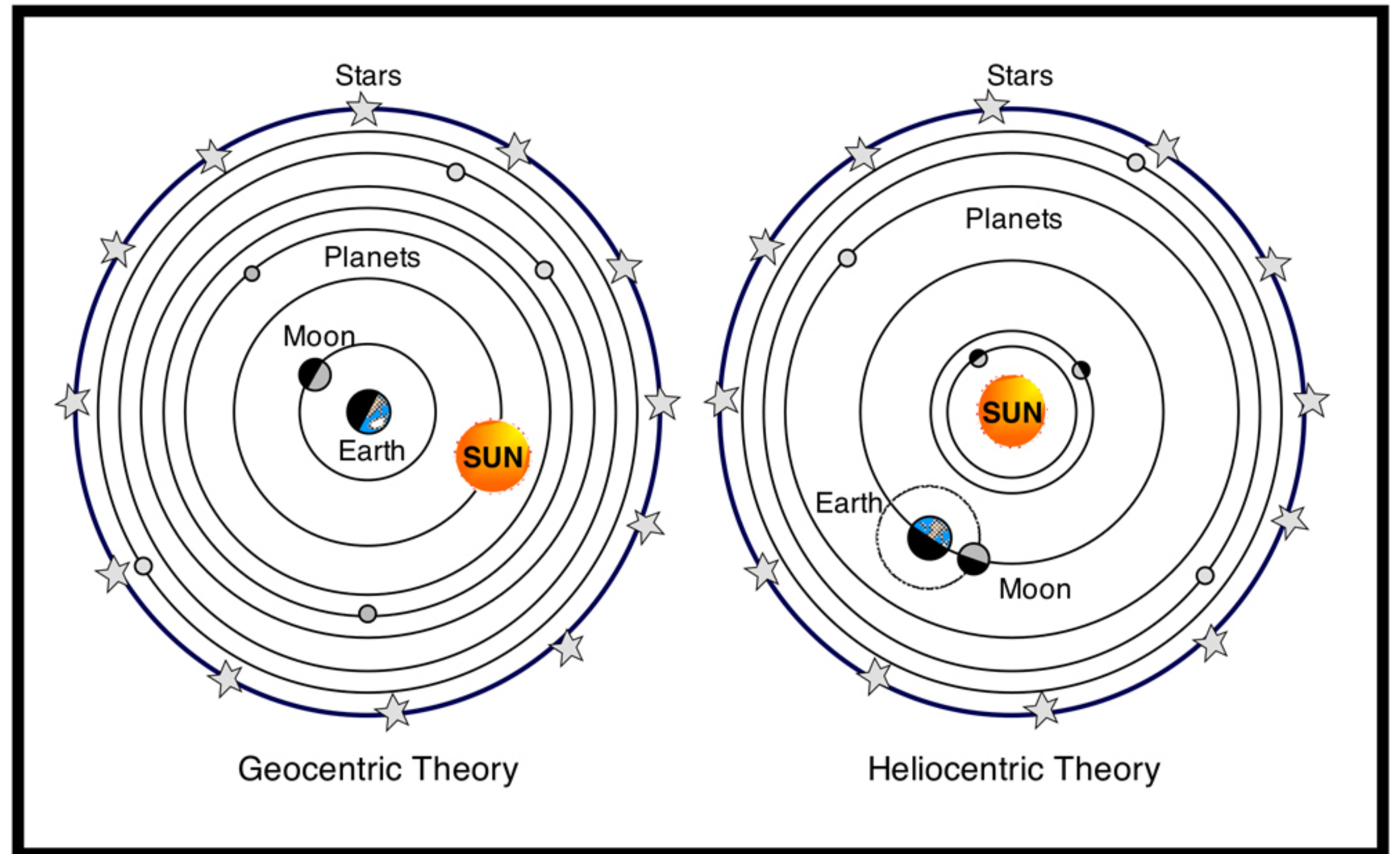




# Task - Geocentric vs. Heliocentric

<https://www.youtube.com/watch?v=iiBIFlvu-X0>

Draw a diagram of both views- geocentric and heliocentric. Label your diagram to show the differences and possible similarities.



**Challenge:** find out about another influential astronomer/astrologer who has contributed to our knowledge about the Solar System and create a short fact file about him. Include informations such as: *what has he discovered? when did that happen? How the discovery has changed what we know today?*