

Unit 1 Astronomy Review

Definitions:

Epicycle
ellipse
retrograde motion
light year
Circumpolar
Local Sky
Nadir

Azimuth
Altitude

Astronomers:

Copernicus
Ptolemy
Aristarchus
Aristotle

Galileo
Hubble

History:

Give reasons why people long ago studied the heavens:

Describe Stonehenge's important features. What did they mark?

Compare and Contrast Geocentric and Heliocentric. Group together the astronomers that believed each.

Describe Ptolemy's model of the universe.

Who was the first to propose the heliocentric model of the universe?
Describe Galileo's discoveries.

Know epicycles and the astronomer that they are related to.

Give reasons why heliocentric models were not accepted

Who discovered the shape of a planets orbit is an ellipse?

Break Kepler's Laws down into understandable terms ☺

Motion of the night sky & Constellations:

What direction do celestial bodies take across our sky? How can this differ from man made objects?

Know how many constellations are officially recognized and how many Ptolemy categorized.

What is special about an alpha star?

Be able to describe where we are in latitude terms and how it affects what we see in the night sky.

How does the altitude of Polaris change in our sky as we move to the north pole?

Why do we always see the big dipper, but only see orion in the winter months?