

Topic 4 Summary

Motions of Earth, Moon and Sun

Vocabulary

Axis (of rotation)
Constellation
Coriolis Effect
Eclipse

Foucault's Pendulum
Geocentric Model
Heliocentric Model
Local Time

Phases (of the moon)
Tides
Time Zones

Apparent Motions of Celestial Objects

Daily Motion and Stars

Apparent Motions of the Planets

Apparent Motions of Earth's Moon

Apparent Sun Motions in Northern Hemisphere

Changes in the Altitude of the Sun at Noon

Models that Help Explain Apparent Celestial Motions

Geocentric Model

Heliocentric Model

Actual Earth Motions

Rotation of Earth

Evidence of Earth's Rotation

The Foucault Pendulum

The Coriolis Effect

Evidence of Earth's Revolution Around the Sun

Earth and Moon Motions and Time

Local Time

Local Noon

Time Zones or Standard Time

Actual Motions of Earth's Moon

Moon Phases

Tides

Eclipses

Lunar Eclipse

Solar Eclipse