Vocabulary
Week 2

_________________________________ Orbital terms_________________________________

Aphelion

Perihelion

Apocenter

Pericenter

Eccentricity

Semi-major axis

Period (of an orbit)

Astronomical unit (AU)

Revolution (of a planet about its star/of a moon about its planet)
Mathematical terms

Directly proportional to

Inversely proportional to

Ellipse

Ellipsoid

Focus (plural: foci)

Calculus

Annular

Science Concepts

Scientific model

Empirical (e.g., empirical law)

Quantity

Hypothesis

Theory
Force

Inverse-square law

Attractive force

Central force

Fundamental force

System

Conservation (of angular momentum)

Momentum

Angular momentum

Mass

Weight

Density
In the Solar System

Kuiper Belt

Oort Cloud

Asteroid belt

CALENDARS

Sidereal day

Sidereal month

Synodic day

Synodic month

Lunar month
The Moon

Waxing

Waning

Gibbous

Synchronous rotation

Tidal evolution

Near Side

Far Side

Tides

Tidal bulge

Tidal friction
The Sun and Eclipses

Angular size

Corona

Lunar eclipse

Solar eclipse

Penumbra

Umbra

Totality

Total solar eclipse

Partial solar eclipse

Annular eclipse