

Astronomy Study Guide

- I. Planets
 - a. Inner vs. outer
 - 1. Composition
 - 2. Size
 - 3. Distance from sun
 - 4. Life ?
 - 5. Asteroid belt location
- II. Rotation vs. Revolution
 - a. Day/year
- III. Eclipses
 - a. Solar
 - b. Lunar
 - c. Celestial bodies involved and location
 - d. Moon phase associated with the eclipse
- IV. Moon
 - a. Phases
 - 1. Why we see the phases
 - 2. Location of sun, earth & moon.
 - 3. Names of phases
 - 4. Rotation and revolutionary periods
 - 5. Tides
 - 6. Formation (how it became the moon)
- V. Sun
 - a. Describe
 - b. Layers and properties
 - c. Sun spots
 - 1. Cycle
 - 2. Reason for
 - 3. Solar winds-what are they?
 - d. Solar activity
 - 1. Flares
 - 2. Prominences
 - 3. Winds
 - 4. Auroras
 - e. Source of heat and energy
 - f. Size compared to other stars

- VI. Stars
 - a. Life cycle for both high mass and low mass
 - 1. Define each stage
 - 2. Size
 - 3. Placement on the H-R diagram
 - b. Temperature and color association
 - c. Luminosity vs. brightness
 - d. Spectroscopy
- VII. Universe
 - a. Big Bang theory
 - b. Age
 - c. Evidence supporting the Big Bang Theory
 - d. Red/blue shift
- VIII. Galaxies
 - a. Types of
 - b. Type we live in and name of
 - c. Solar system age