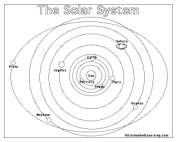
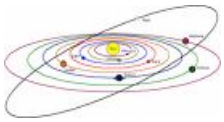


Solar System Test

Study Guide



Read Chapter 14 (The Solar System) – Sections 1-5 – Pages 538 through 575

Study Guide: Page 580 – Know Big Idea and all Key Concepts

Study textbook homework questions:

- Chapter 14, Section 1 Assessment – Page 544
- Chapter 14, Section 2 Assessment – Page 550
- Chapter 14, Section 3 Assessment – Page 559
- Chapter 14, Section 4 Assessment – Page 569
- Chapter 14, Section 5 Assessment – Page 575
- Review and Assessment – Page 581 (1 – 10)
- Standards Practice – Page 583 (1 – 9)

Study homework worksheets:

- Stormy Sunspots
- Planet Properties
- Coloring Planet Properties

Study Classroom Notes:

- Astronomer Scientists
- Our Sun
- Interesting Sun Facts
- Vocabulary – Solar System

Student Activity:

- Diameter of the Sun
- Stormy Sunspots
- Planet Properties

Know the following key terms: (* Not located in text glossary)

Alpha Centauri*	flare (solar flare)	photosphere
astronomical unit (AU)	geocentric	prominence
aurora*	granulation*	ring
chromosphere	gravity	satellite
convection zone	greenhouse effect	solar wind
core	heliocentric	sunspot
corona	light year	terrestrial planets
coronagraph*	magnetosphere*	
ellipse	nuclear fusion	

- Know the main contributions of the Scientists Astronomers

Armstrong	Copernicus	Halley	Lippershey
Brahe	Galileo	Kepler	Ptolemy

- Be able to state Kepler's three laws of planetary motion & recognize them by description or diagram

- Be able to distinguish the difference between geocentric (Ptolemy) and heliocentric (Copernicus)

- Be able to list the 8 planets in order of **size** and in order of **distance** from the sun.

- Know the 3 layers of the sun's atmosphere and the 3 layers of the sun's interior by function, description, and diagrammatic drawings.

- Know that the sun is made of 99% hydrogen and is producing helium by a nuclear fusion process.

- Know the main features of the sun and be able to recognize these by description and diagrams

- Know the similarities /differences between the 8 planets and special unique features of each planet

- Know the importance of the Kuiper belt and Oort cloud and where they are located