

6th grade Earth Science
1st Term Study Guide

Students, your first term final exam for science will be held between September 10th and September 14th. Please use provided resources to help you prepare for this exam (class notes, textbook, gizmo simulations, study island, various websites, and this study guide). Do not wait until the last minute to start studying! **START NOW!!** The following sections will be on your final exam. This study guide will not be collected for a grade however, it would behoove you to work through it. Have fun :-)

Section 1. Lab Safety (Textbook Pages: 622-627)

- Be able to recognize the safety symbols for the laboratory
- Be familiar with the lab safety rules

Resources:

- Textbook
- Lab Safety Rules Handout
- Spongebob Lab Safety Rules

Section 2. Geocentric vs. Heliocentric Models (Textbook Pages: 448-451)

- Be able to identify the geocentric and heliocentric models of the solar system.
- Explain why models and theories about the universe are always changing.
- Explain how the shift from the geocentric model to the heliocentric model illustrates the nature of science. You can use your notes for this one.

Resources:

- Textbook
- Class Notes
- Study Island

Section 3. The Seasons (Textbook Pages: 408-415)

- Explain why Earth has seasons.
- Explain the different factors that causes seasons on Earth.

Resources:

- Textbook
- ADI Lab Report
- The Seasons Simulation from ADI handout
- Study Island

Section 4. Eclipses (Textbook Pages: 423-425)

- Be able to identify and explain the alignment of the Earth, Moon, and Sun alignment during solar and lunar eclipses.
- Be able to explain why Earth experiences eclipses.

Resources:

- Textbook
- Class Notes
- Eclipses Gizmo
- Study Island

Section 5. Comets, Meteoroids, and Asteroids (Textbook Pages: 480-485).

- Be able to differentiate between comets, meteoroids, and asteroids using their respective characteristics, composition, size, and location.

Resources:

- Textbook
- Class Notes handout
- Venn Diagram
- Study Island

Section 6. The Solar System (The Planets) Textbook Pages: 464-479

- Be able to compare and contrast the planets in terms of size relative to earth, surface and atmospheric features, relative distance from the sun and ability to support life.

Resources:

- Textbook
- The Solar System Gizmo
- Study Island