

Exam #2 Review

Everything is fair game, but you may want to focus on the following. Also, review the book, lecture notes, asterisked values, quizzes, vocabulary terms, and review questions. Good luck!

Chapter 4

Of all of the philosophers and astronomers in this chapter, these were the most significant. Know their paradigms, models, and other significant information about them.

Thales of Miletus

Pythagoras

Plato

Aristotle

Aristarchus

Eratosthenes

Hipparchus

Ptolemy

Copernicus

Tycho Brahe

Kepler

Kepler's Laws of Planetary Motion

Galileo

Chapter 5

Aristotle and his ideas on matter and motion

Galileo and his ideas on matter, motion, inertia, and gravity

The difference between speed, velocity, and acceleration

Newton

Newton's Laws of Motion

Newton's Universal Law of Gravitation

The Inverse Square Law

Newton's explanation of Kepler's Laws

Tides

Einstein

Special Relativity

General Relativity

Chapter 6

Electromagnetic Radiation

Refracting Telescopes

Reflecting Telescopes

Powers of Telescopes

Radio Astronomy

Factors Affecting Observation

Solutions

Improvements in Modern Astronomy