Astro 100 Exam III Study Guide

Topics (not exhaustive, but covers the most important material)

Arranging 4 Cookies on a Plate
Astro-Metric Method for Extrasolar Planet Detection
Basic Requirements for Life
Big Bang Theory
Black Hole
Center-of-Mass (CM) Point of Solar System
Charles Darwin
Chromosphere
Convection Zone
Corona
Cosmic Microwave Background Radiation (CMBR)
Distance to Our Identical Parallel Universe
Doppler Shift Method for Extrasolar Planet Detection
Drake Equation
\[ E = mc^2 \]
Einstein
Electroweak Era
Equivalence Principle
Fossil Record (age of life on Earth)
Four Forces (Strong, Electromagnetic, Weak, and Gravity)
Frank Drake
General Relativity
Helioseismology
Hubble Volume
Hydrostatic Equilibrium (balance of forces)
Karl Schwarzschild
Kelvin and Helmholtz's Gravitational Contraction of Sun
Life in Our Solar System (and likely candidates)
Mass of Extrasolar Planet
Mayor and Queloz
Miller-Urey Experiments
Neutrinos
Neutrons
Newton's Law of Gravity
Nuclear Fusion and Fission
Number of Extrasolar Planets
Obtaining the Mass of the Sun
Parallel Universes
Penzias and Wilson