

Reading Assignment for Exam #4

Chapter 23: Read all and your notes.

Key Terms: bulge, dark matter, disk, galactic nucleus, globular clusters, halo, Milky Way, nuclear bulge, nucleus, open clusters, population I, population II, rotation curve, spiral arms, 21- centimeter radiation, zone of avoidance.

Chapter 24: Read all, and your notes. Be sure to go over the standard candle problems and Hubble's Law problems we did in class.

Key Terms: barred spirals, cosmological principle, dark matter, elliptical galaxies, galactic cannibalism, galaxy, galaxy clusters, Hubble classification, Hubble constant, Hubble law, irregular galaxy, Local Group, period-luminosity relation, recession velocity, redshift, spiral galaxies, standard candle, supercluster.

Chapter 25: Read all, read the Astronomy Magazine article, and your notes.

Key Terms: active galaxies, blazar, dark matter, galactic cannibalism, galaxy clusters, quasar, radio galaxies, Seyfert galaxy, supermassive black holes.

Chapter 26: Read sections 2-5 and skim section 6, and your notes.

Key Terms: antimatter, Big Bang, closed universe, cosmic microwave background, cosmological principle, cosmology, critical density, curved space, flat universe, grand unified theories, inflation, isotropic, matter-dominated universe, negative curvature, open universe, positive curvature.

BE SURE TO STUDY THE INFORMATION IN YOUR OBSERVATIONAL PACKET!!