

Astronomy 100, Fall 2006

Name:

Weekly assignment 1: Introductory stuff

Due: October 3, 2005 at 11:00 a.m.

Distinguish:

1a. Planet vs. star

1b. Planet vs. moon (satellite)

1c. Planet vs. asteroid (minor planet)

2. Meteor vs. meteorite

3. Gas vs. dust

4. Revolve vs. rotate

5. Albedo vs. luminosity

6. Matter vs. energy

7. Deductive reasoning (like in astronomy) vs. inductive reasoning (like in physics)

8. Science vs. pseudoscience

9. Sketch the Moon as best as you can. Determine the compass direction you are looking at the Moon. Finally, give the date and time of the sketch.

10. Sketch the position of Jupiter with respect to the horizon just after sunset (after 7 p.m.). Hint: It's near the Moon. Determine the compass direction at which you are looking. Finally, give the date and time of the sketch. If you have a pair of binoculars, examine Jupiter and see if you can see any more detail.