

ISP 205 Review Questions, Week 7

This is not required homework. It will not be graded. Answers will be supplied next week (in this case, on Monday afternoon, so that you can see the answers before taking the exam).

1. What is the most abundant chemical element in Jupiter (i.e. what is it mostly made of?) Describe the internal structure of Jupiter.
2. Why do the Galilean satellites of Jupiter have a progressive range of properties that depend strongly on their distance from Jupiter.
3. What makes Jupiter's moon Europa so particularly interesting?
4. What makes Saturn's moon Titan so particularly interesting?
5. What is the basic difference in composition between asteroids and comets? How does this connect with where in the Solar System asteroids and comets spend most of their time?
6. What is the age of the solar System and how do we know it?