

HW Questions for 1/16/12

Person listed is the lead for that question. Each person will also act as back-up for the next 2 questions after their name. Answers to all 3 questions are due by e-mail to me on Monday, January 16<sup>th</sup>. It would also be helpful if you e-mailed your answer to the lead person on the question.

Rebecca Blatz	1. Define atmosphere, hydrosphere, lithosphere, magnetosphere, and biosphere.
Jessica Bolda	2. What are Trojans and Centaurs?
Steven Cully	3. What is the farthest distance a mission has gone?
Zach Guss	4. Is Pluto still considered a planet? Why or why not?
Kelli Haddock	5. What's Halley's Comet? What is a comet?
Robbie Hamilton	6. What are in-situ instruments?
Natalie Innocenzi	7. What and where is the Kuiper belt located?
Isaac Klapholz	8. What are polar vortices? The text mentions vigorous ones found on Saturn and Neptune.
Kyle Parker	9. What are the moons of Jupiter?
Shaynie Peynado	10. What are exoplanets?
Veronica Nelson	11. What is exospheric and exogenic water?
Zach Roberts	12. What are chondrites?
Sara Scarf	13. What makes up planetary rings? Which planets have them?
Erica Shulteis	14. What is the protoplanetary disk?
Justin Sra	15. Define geothermal and geochemical. What does geo- mean?
Tyler Vasquez	16. What qualifies a mission as being small? Medium? Large?
Duncan Ashby	17. About how many objects the size of Pluto or larger are contained in the Kuiper belt?
Erik Davies	18. What is NASA's Science Mission Directorate? What is the NRC?
Mike Garcia	19. What is the sky crane on the Curiosity Rover?
Chris Gonzales	20. Did the south-pole Aitken Basin sample return mission launch as expected in 2011?
Rachael Hachadorian	21. How big are the actual probes that they send out to places like Pluto? Find a photo that compares the spacecraft to a person or just a reference to the size.
Ben Kidder	22. What gases make a planet able to have life and what gases do not allow that?
Casey Peters	23. What is the total budget of NASA, how does it compare to the total budget or to other agencies? What percentage pays for planetary science?
Emily Poore	24. What made the pattern at the bottom of the crater seen in figure 1.7?