

Astronomy Unit 3 Homework

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Compare the atmosphere of Venus to that of the Earth. Include in your discussion the run-away greenhouse effect.
2. Discuss the features that have been discovered on the surface of Venus. How are we able to image these features.
3. What are some specific examples for the evidence of liquid or flowing water on Mars? Discuss the composition of the polar caps.
4. Briefly list the discoveries made by the following spacecraft: Mariner, Viking, Sojourner, Spirit and Opportunity.
5. Give a breakdown on the composition and structure of the atmosphere of Jupiter.
6. Compare and contrast the Galilean moons Io, Europa, Ganymede, and Callisto.
7. Both Jupiter and Saturn generate interior heat. How do each of these planets produce this heat?
8. Discuss a possible origin for the rings of Saturn. What is the Roche limit?
9. What evidence can be found for weather on both Jupiter and Saturn?
10. What did the spacecraft Cassini-Huygens discover concerning Titan?