

Name _____

Period _____

Video - The Universe: Jupiter (The Giant Planet)

1. Jupiter is 84% _____ and _____% helium.
2. Jupiter is so large that _____ Earth's could easily fit inside it.
3. Explain how the presence of Jupiter may have allowed life to form on Earth.
4. The comet Shoemaker-Levy 9 impacts of July 1994 were similar in magnitude to the impact that killed the dinosaurs. The Shoemaker-Levy 9 impacts were equivalent to _____ to _____ times the energy of the world's nuclear weapons.
5. Wind speeds within the Great Red Spot are _____ mph.
6. Unlike hurricanes on Earth, the Great Red Spot does not contain this compound: _____.
7. Jupiter's moon Io has volcanoes the size of this state: _____.
8. Ganymede is _____ times the size of the Earth's Moon.
9. Callisto has this distinguishing feature: _____.
10. Europa has ice and is similar to _____.
11. Europa may have more water than the _____ Ocean.
12. The magnetic field of Jupiter extends out to the orbit of _____.
13. What can you detect with your car radio?

over

14. Describe the probable origin of Jupiter's ring.

15. Explain why the ring of Jupiter is getting larger.