**Space and Human Impact Study Guide** \*Pages refer to the Green text

\*OPU = Our Place in the Universe Project

**Define the following:**

* Nuclear fusion (p. 834, 847, 848)
* Solar activity (what does it cause)
* Sunspots (p. 832)
* Solar wind (p.832)
* Auroras (OPU)
* Parallax (p.841)
* Andromeda (OPU)

**Answer the following:**

1. List several renewable resources.

2. List several nonrenewable resources.

3. What can happen as cities grow, land becomes more and more covered with cement an asphalt from building and roads and parking lots? (Think about what happens when it rains a lot)

4. In what states in the U.S. Would it be best to use solar energy and why? (p.714)

5. How can ozone be helpful and harmful to humans (bellwork)

6. Describe two ways humans can help preserve/help the environment.

7. Describe two ways humans can hurt the environment.

8. What are some advantages and disadvantage when using wind turbines as an alternative energy source? (p. 717)

9. What factors can help lead to population explosions or increases? (p.735)

10. What are some consequences of population increases or explosions. (p.735-736)

11. What are some disadvantages to recycling?

12. What are some consequences of rising surface temperatures on Earth? (section 26.3)

13. Explain several advantages to using alternative energy sources.(Chp. 25)

14. How can the removal or trees and other vegetation impact the environment? (p. 739)

15. How much of Earth's surface is covered with water?

16. When trees are cut, the amount of oxygen in the air \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

17. What is the *chief* source of energy on Earth's surface?

18. What keeps the Milky way together? (OPU)  
19. Where is our solar system located? (p. 863-865)

20. Think of the Big Bang Balloon Theory activity, is the universe still expanding? At what rate? (p. 878)

21. What are the following people famous for Kepler, Magellan, Copernicus and Galileo. (p.800)

22. What were other galaxies first believed to be? (p. 869)

23. Why is it sometimes hard to see constellations such as Sagittarius?

24. Where are black holes believed to be located? (p. 865)

25. How old to Astronomers believe our universe to be? (p. 869)

26. Know the phases of the moon. (p. 779)