

## Chapter 9 Study Guide

1. When carbon content is increased during coal formation, does it burn cleaner or dirtier?
2. Are trees renewable or nonrenewable?
3. What limits the use of solar energy systems (not amount of sunlight)?
4. What are the stages in coal formation?
5. Old Faithful is an example of what type of energy resource?
6. When is strip mining used to mine coal?
7. What is one problem when using wind energy?
8. What 3 factors contribute to smog problems?
9. Does solar energy produce pollution?
10. Is uranium a fossil fuel?
11. What process powers a nuclear power plant?
12. What are 3 components of natural gas?
13. What can products can be separated from petroleum?
14. What is the original source of energy for fossil fuels?  
sun
15. There is a facility in the Mojave desert that uses over 1900 mirrors to use what kind of energy to produce electricity?
16. What do solar cells do?
17. What are 4 alternative energy sources?
18. Why do we need alternative energy sources?
19. What type of countries depend on biomass for energy?
20. What turns turbines in hydroelectric power plants?
21. What is the process by which petroleum is separated into different products?
22. What is the U.S. primary source of electrical energy?
23. What is most coal in the U.S. burned by/for?
24. How can we reduce fossil fuel problems?
25. What is biomass?