

## Chapter 17 Section 1

### Study Sheet

1. Most of the energy we use comes from what source?
2. What are fossil fuels?
3. What two problems are associated with fossil fuel use?
4. Besides looking for alternative sources of energy what else will societies continue to try to develop?
5. Fossil fuels are used for what 5 purposes?
6. The suitability of a fuel for a particular application depends on what?
7. What are the advantages and disadvantages of electricity?
8. What is an electric generator and how does it work?
9. What is a turbine and in most power plants what turns the turbine?
10. People in \_\_\_\_\_ countries use more energy than people in \_\_\_\_\_ countries.
11. What is the reason that people in the US and Canada use more energy per person than people in other countries?
12. What percentage of our fossil fuel use in the US is for transportation?
13. How does coal form?
14. How does oil form?
15. Most of the world's fossil fuel deposits are made up of what?
16. What are two major advantages of coal?

17. What percentage of the electrical energy generated in the US comes from coal?
18. What are some ways coal mining can damage the environment?
19. Explain the difference between higher and lower grade coal.
20. A major source of pollution in all forms of coal is what?
21. Petroleum accounts for what percentage of the World's commercial energy use?
22. Oil is found in and around major geological features such as?
23. Besides the Middle East, where else are the World's oil reserves located?
24. What are the environmental effects of burning petroleum products?
25. Where does the majority of oil pollution come from?
26. What percentage of the World's nonrenewable energy comes from natural gas?
27. In the past when natural gas was discovered above an oil well, what did they do with it?
28. What are the benefits of using natural gas as a fuel?
29. World energy demand will double by the year \_\_\_\_\_.
30. Why is it important that we plan now for the energy that we will use in the future?
31. What is an oil reserve?
32. All predictions about future oil production are guided by what important principle?
33. Why is extracting oil from the ocean a difficult task?
34. How deep can oil platforms drill with current technology?