

Physical Geology Date _____ Name _____

Energy Resources - Chapter 21

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1. What are the primary fuels of our modern industrial economy?
2. What are the three types of coal?
3. What is most coal used for?
4. What are some of the problems of surface mining?
5. What are some of the problems of underground coal mining?
6. What is a major problem associated with burning of coal?
7. What is acid rain?
8. What elements are in petroleum and natural gas?
9. What is an oil trap?
10. What are four common oil traps and what are the characteristics of each?
11. What is a reservoir rock?
12. What are its characteristics?
13. What are some types of rocks that are reservoirs?
14. What are the two major environmental effects of burning fossil fuels?
15. What are the major primary pollutants (with %) and where do they come from (with %)?
16. How does the production of carbon dioxide lead to global warming?

17. What are some other potential sources of hydrocarbon?
18. What is tar sand and why don't we use it now?
19. What is oil shale and why don't we use it now?
20. What are radioactive materials and by which process do they release energy?
21. What is a chain reaction?
22. What element is the primary fuel used in nuclear power plants?
23. Where are two places where uranium ore is found and in what depositional environments?
24. What are the obstacles to development and use of nuclear energy?
25. What is solar energy?
26. What are the simplest and most widely used passive solar collectors?
27. What are the obstacles to development of wind power?
28. What is hydroelectric power?
29. What are the disadvantages of dams for hydroelectric power?
30. What is geothermal energy? What geologic environments have this potential?