

Earth Science

Name

"Resources" Problem Set

1) Contrast "renewable" and "nonrenewable" resources. Give two examples of each type.

2) What are "fossil fuels"? What is their role in modern society?

3) How does coal form?

4) What are some problems with mining and burning coal?

5) What is “petroleum”? Where does it form? How is it obtained?

6) What is “natural gas”? Where does it form? How is it obtained?

7) What is “hydrofracking”? Why is it a major problem in this country today?

8) What are “tar sands”? Where do they occur? What are some problems with obtaining and transporting them?

9) What are “oil shales”? Where do they occur? What are some problems with obtaining and transporting them?

10) Describe (not just name!) several ways in which mineral deposits form.

11) What are “placer deposits”? What was the importance of the discovery of placer deposits in 1848?

12) Describe five nonmetallic mineral resources, including their uses, geological occurrence, and one important mineral. (Continue on the other side, if necessary.)

12 cont'd.)

13) Find out about New Jersey's mineral resources, and write 2 – 3 paragraphs about significant facts or history. Use this USGS website as a start: <http://minerals.usgs.gov/minerals/pubs/state/nj.html>