**Chapter 14**

1. Mining minerals like gold from the Earth is necessary for the human race.  Describe the environmental impacts that come from such a mining process
2. Draw the Earth and label the crust, mantle and core.  Name the 2 types of crust. What is the lithosphere, asthenosphere?
3. How does convection become the driving force for plate tectonics?
4. Describe and give examples of a divergent boundary, transform boundary. What is subduction?
5. There are 3 Convergent boundaries, ocean to ocean, ocean to continent and continent to continent . Describe each and their formations.
6. A major geologic process is weathering.  Describe the three methods of weathering, physical, chemical and biological. Give examples of each
7. What is a volcano? What are some benefits of volcanic eruptions? Distinguish between a composite volcano and Shield volcano.  Give examples of each.
8. Define Earthquake.  What is the epicenter, focus?  How does the Richter Scale measure earthquakes?
9. Define mineral resource and list two major types of such resources. Describe 3 uses of rock as a resource.
10. Define ore, high grade and low grade.  Give examples of each
11. Describe 3 major harmful effects of extracting, processing and using nonrenewable mineral resources
12. What is surface mining?  Describe area strip mining, area strip mining and mountaintop removal.
13. What is subsurface mining?
14. What is smelting? What are the harmful effects of this process?
15. What 5 nations supply most of the world’s nonrenewable mineral resources?
16. What is depletion time? What are 5 effects of  mineral becoming scarce?
17. Discuss the pros and cons of the mining law of 1872.