

Name _____ Date _____ Period _____

STUDY GUIDE CHAPTER 3

1. Know the 5 parts to the definition of *mineral*. Describe each part in your own words.
2. I will give you a list of certain objects. Know which ones are minerals and which ones are not.
3. Know pros and cons of titanium. Be able to list them. **EXPLAIN VERY WELL!**
4. Know pros and cons of phosphates. Be able to list them. **EXPLAIN VERY WELL!**
5. Know all about quartz (from the article and the labs). **EXPLAIN VERY WELL!**
6. Compare and contrast *gem* and *ore*. Fully explain what these terms mean.
7. Know the 2 most common elements found on Earth's crust.
8. Know the 6 optical properties of minerals: opaque, double refraction, fiber optic, translucent, transparent, and prism.
9. Know the 2 chemical properties of minerals: magnetism and acid test.
10. Know the 7 physical properties of minerals: color, hardness, luster, streak test, break pattern (cleavage/fracture), crystal system, and density.
11. I will give you some mineral samples. Use the various tests and the flowchart to identify the mineral's name. You will be given a flowchart.
12. Know the 2 main ways that minerals form. Be able to explain both.