Minerals and Gemstones Reading

1. What is a mineral?
2. What are the five characteristics of minerals?
3. Do minerals always form the same way?
4. What are the four major processes by which minerals form?
5. What is magma?
6. How can water form a mineral?
7. What is a hydrothermal vent?
8. For each of the below minerals identify the mineralization process that formed them.
   1. Muscovite
   2. Halite
   3. Bornite
   4. Quartz
   5. Calcite
   6. Talc
   7. Feldspar
   8. Pyrite
9. Is a gemstone a rock or a mineral?
10. Are gemstones named after their mineral? Why or why not?
11. Where do gemstones get their color from?
12. What is the difference between precious and semiprecious?
13. What are examples of precious gems?
14. What are the most favored colors of gems?
15. What are the most valuable gems?
16. Why is opal unique from other gemstones?

Review

1. Three types of rocks?
2. Describe and draw the rock cycle?
3. How are igneous rocks formed?
4. Mafic vs Felsic?
5. If an igneous rock cools quickly how does that make it look?
6. How are metamorphic rocks formed?
7. How are sedimentary rocks formed?
8. What is weathering and erosion?
9. Foliated vs Unfoliated?
10. How is a rock different from a mineral?
11. Characteristics to identify a rock or mineral and describe each?