



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### **Critical Thinking and Application**

1. What is an igneous rock?
2. Define and explain the difference between magma and lava.
3. Where do intrusive igneous rocks form?
4. Where do extrusive igneous rocks form?
5. Describe the size of the crystals you would expect to see in extrusive rocks and intrusive rocks.
6. What factors determine the crystal size in an igneous rock?
7. Why does molten rock material cool more slowly underground?
8. How can two different rocks have the same mineral composition?