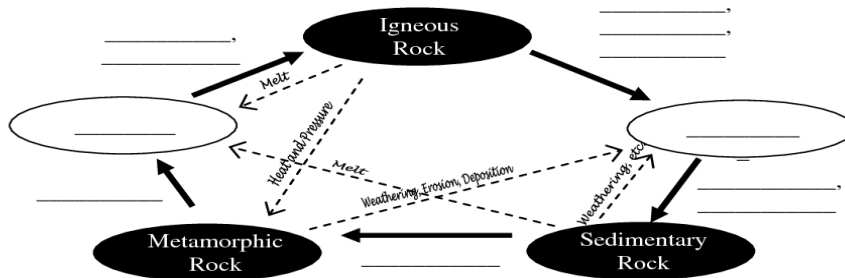


Name \_\_\_\_\_ Period \_\_\_\_\_

## **ROCK CYCLE TEST STUDY GUIDE**

1. Complete the diagram of the rock cycle below:



2. 2 or more elements combine to make a \_\_\_\_\_. Rocks are made of 2 or more \_\_\_\_\_.
3. What provides the energy for the rock cycle above the ground? \_\_\_\_\_ in the \_\_\_\_\_
4. What provides the energy for the rock cycle under the ground? \_\_\_\_\_ in the \_\_\_\_\_
5. Can a sedimentary rock become an igneous rock before it becomes a metamorphic rock?
6. Can an igneous rock become a metamorphic rock before it gets weathered into sediment?
7. What do you need to do to change an igneous rock into a sedimentary rock?
8. What do you need to do to change a sedimentary rock into a metamorphic rock?
9. What do you need to do to change a metamorphic rock into an igneous rock?

### **IGNEOUS ROCKS**

10. How can you tell the difference between an intrusive rock and an extrusive rock?
11. Where does an **intrusive** rock form? \_\_\_\_\_ How fast does it cool and crystallize?
12. Where does an **extrusive** rock form? \_\_\_\_\_ How fast does it cool and crystallize?
13. How does a porphyritic rock form?
14. Name one igneous rock that has “glassy” texture \_\_\_\_\_. What does “glassy” texture mean when referring to igneous rocks?
15. Define pluton
16. Why does lava rise upward through the crust towards the surface?
17. What are high-silica magmas like? Explosive or calm. Do they produce ash or runny lava?