

Rocks and Minerals - Study Guide

Test Date _____

Directions: Explain how rocks and minerals are formed and are constantly changing through the rock cycle.

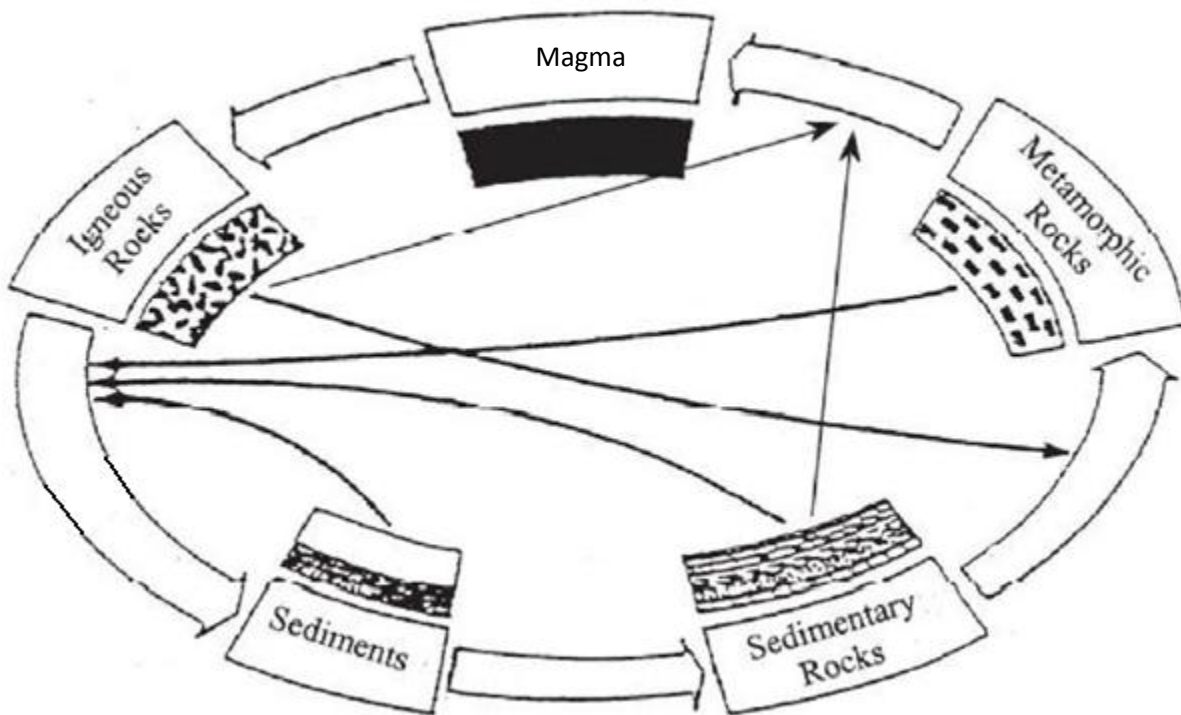
1. Complete the diagram by labeling in the blank space of the outside arrows, using all the words from the word bank. Phrases can be used more than once.

Word Bank

heat and pressure
melting of rock

compaction and cementation
cooling

weathering and erosion



2. Explain how the following five processes act upon rocks to change them.
 - a. Heat and pressure
 - b. Weathering and erosion
 - c. Cooling of liquid rock
 - d. Heat
 - e. Pressure

3. How are rocks affected by weathering and what happens to rock after it is weathered?
4. What do compaction and cementation do to sediment?
5. What do intense heat and pressure do to sedimentary rocks or igneous rocks?
6. What changes metamorphic rocks into magma?
7. List 3 or more words/phrase that have the same meaning as a rock **cooling**.
8. List 3 or more words/phrase that have the same meaning as a rock **melting**.
9. List 3 or more words/phrase that have the same meaning as putting **pressure** on a rock.
10. Explain how a sedimentary rock can turn into an igneous rock.
11. Explain how a metamorphic rock can turn into an igneous rock.
12. Explain how a sedimentary rock can turn into a metamorphic rock.
13. Explain how an igneous rock can turn into a metamorphic rock.
14. Explain how an igneous rock can turn into a sedimentary rock.
15. Explain how a metamorphic rock can turn into a sedimentary rock.