Name _____ Class _____ Date _____

3-6 How are metamorphic rocks formed?

Lesson Review

Write the term that best completes each statement in the space provided.

1. When an existing rock is changed by great heat and pressure, a _____ rock is formed.
2. The minerals in rocks undergo a _____ change when the rocks are heated.
3. When temperatures inside Earth rise above 800°C, minerals melt into _____ .
4. Pressure is a _____ that pushes against an object.
5. Magma can move between layers of _____ rock.
6. One type of metamorphic rock can be changed into another form of metamorphic rock when heat, pressure, or magma changes the _____ that make up the rock.

Skill Challenge

Skills: *analyzing, applying concepts*

Use the diagram to answer the questions.

1. Could the temperature alone in Layer A change the rocks here into metamorphic rocks? Explain. _____

   _____

   _____

   _____

2. What could cause a rock in Layer C to change into a metamorphic rock? _____

   _____

3. What kind of rock would be formed by the magma in Layer C? _____

4. What happens to a mineral that falls below Layer D? _____

   _____

5. What three factors shown in the diagram can cause metamorphic rocks to form? _____

   _____

   _____