

**Rocks** ▪ *Review and Reinforce*

# Metamorphic Rocks

## Understanding Main Ideas

*Fill in the blanks in the flowchart below.*

Collisions between Earth's plates push rock down toward the heat of Earth's 1. \_\_\_\_\_. ➔ As the rock is buried deeper in the crust, 2. \_\_\_\_\_ also increases on the rock. ➔ The rock is squeezed so tightly that the 3. \_\_\_\_\_ of the rock change, creating metamorphic rock.

*Answer the following questions in the spaces provided.*

4. Describe a situation in which heat can change rock to metamorphic rock.

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5. What characteristic do geologists use to classify metamorphic rocks?

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6. Describe how quartzite forms.

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7. Explain what characteristics make marble a useful metamorphic rock.

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## Building Vocabulary

*Classify each of the following metamorphic rocks by writing either Foliated or Nonfoliated in the blank beside it.*

- \_\_\_\_\_ 8. marble  
\_\_\_\_\_ 9. slate  
\_\_\_\_\_ 10. gneiss