

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.

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

6. Describe how quartzite forms.

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

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