

## Chapter 4

Text Pages 97–100

## STUDY GUIDE

## ● Metamorphic Rocks

Determine whether each of the following statements is true or false. Write the word “true” or “false” in the blank. If the sentence is false, rewrite it so that it is true.

- \_\_\_\_\_ 1. Metamorphic rocks are rocks that have been changed by temperature and pressure.  
\_\_\_\_\_
- \_\_\_\_\_ 2. Nonfoliated rock will separate easily into layers.  
\_\_\_\_\_
- \_\_\_\_\_ 3. Pressure does not play a role in the formation of metamorphic rocks.  
\_\_\_\_\_
- \_\_\_\_\_ 4. A metamorphic rock with a foliated texture has bands of minerals.  
\_\_\_\_\_
- \_\_\_\_\_ 5. Metamorphic rocks can be formed from changes in igneous, sedimentary, or other metamorphic rocks.  
\_\_\_\_\_
- \_\_\_\_\_ 6. Sandstone is a metamorphic rock.  
\_\_\_\_\_
- \_\_\_\_\_ 7. A metamorphic rock with no banding is nonfoliated.  
\_\_\_\_\_
- \_\_\_\_\_ 8. The mineral grains in metamorphic rocks may be flattened.  
\_\_\_\_\_

Complete the chart using information in your textbook.

Type of rock	Can change into	Metamorphic rock
Sedimentary		
Shale	_____→	_____
Sandstone	_____→	_____
Igneous		
Basalt	_____→	_____
Granite	_____→	_____
Metamorphic		
Slate	_____→	_____