

THINKING CRITICALLY

● Rocks in Your Head!

Use your knowledge of igneous, sedimentary, and metamorphic rocks to answer the following questions.

1. Basalt is slowly broken up into tiny pieces and carried away by a river. The pieces of basalt are deposited many kilometers downstream, where they become part of a conglomerate. What type of rock are the basalt pieces part of now? Explain your answer.
2. Can an igneous rock be changed directly into a metamorphic rock? Why or why not?
3. Can sedimentary rock become igneous rock? Why or why not?
4. What other kinds of rock can sedimentary rock become? How is this done?
5. Can a sedimentary rock be made from metamorphic rocks? Why or why not?
6. Can igneous rocks form directly from any other rocks? Why or why not?
7. What is the best way to tell a sedimentary rock from a foliated metamorphic rock?