

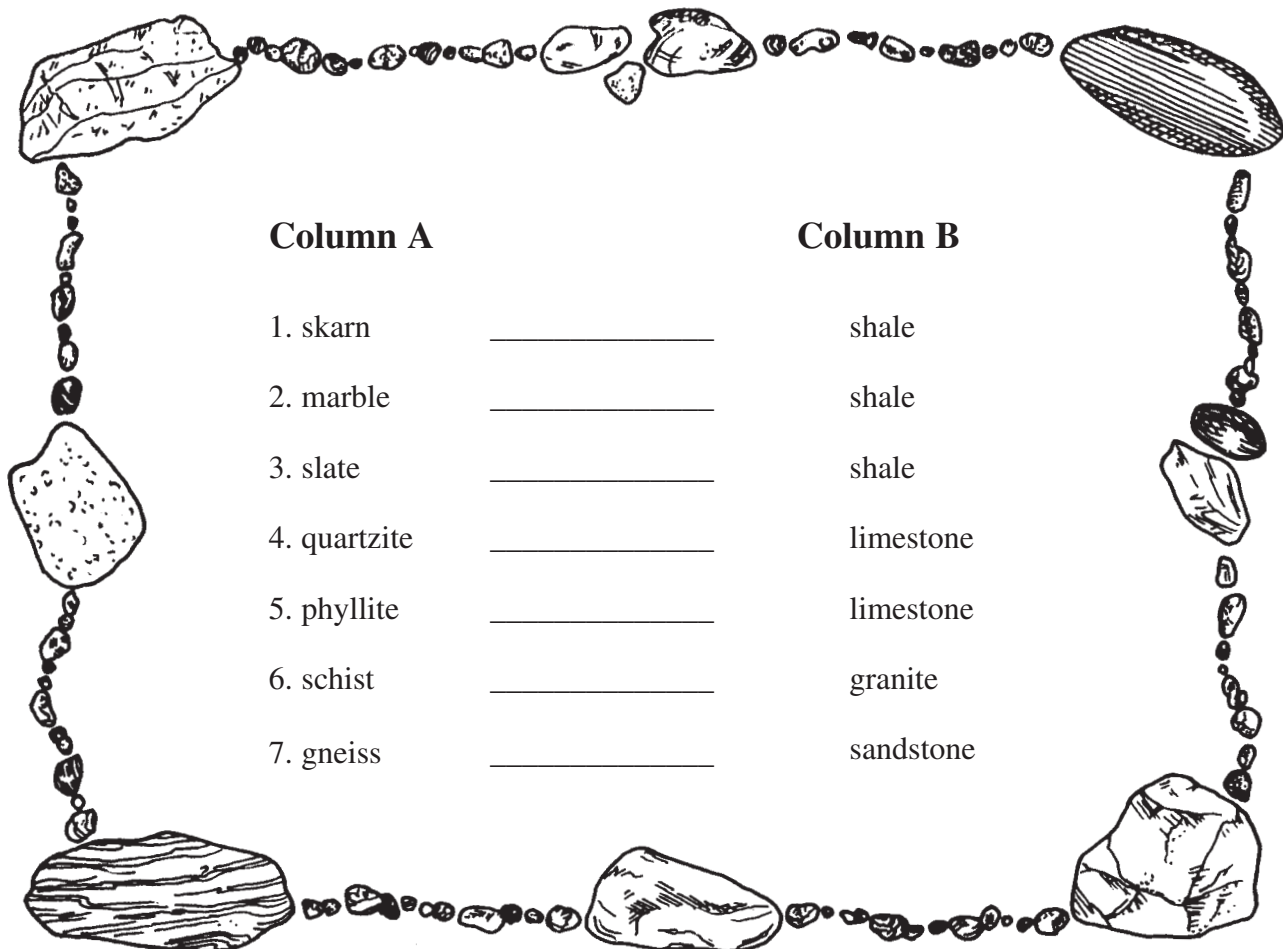
Metamorphic Rocks

Metamorphism means change of form. Metamorphic rocks are created by heat and pressure within the earth. Older rocks may be melted and squeezed and take on new forms. Metamorphic rocks began as one kind of rock and later, were changed into another kind. All of them began as sedimentary or igneous rocks. As the change to a metamorphic rock occurs, the structure and sometimes the color changes too. To find metamorphic rocks, you have to find an area where *weathering* (the breaking up and the wearing away of rocks at the earth's surface) and *erosion* (the moving of earth materials by wind and water) have cleared away the sedimentary rocks to expose the metamorphic rock underneath.

Activity

Below are some rocks that have been changed. (You will notice that some rock names have been repeated in Column B. This is because some metamorphic rocks began as the same rock type but underwent changes.)

Use your library or classroom resource books to find information about the origin of each rock below and how it changed. Match the changed rocks (from Column A) with the rocks they once were (from Column B). Record the words from Column B next to the correct rocks from Column A.



Column A	Column B
1. skarn _____	shale
2. marble _____	shale
3. slate _____	shale
4. quartzite _____	limestone
5. phyllite _____	limestone
6. schist _____	granite
7. gneiss _____	sandstone

Answer Key

1. limestone
2. limestone
3. shale
4. sandstone
5. shale
6. shale
7. granite