

Name \_\_\_\_\_

## The Marvelous Transformation: How Metamorphic Rocks Are Created

### Short Answer

1. Describe the two primary types of metamorphism and provide an example of a metamorphic rock formed by each type.
2. How do index minerals help geologists determine the metamorphic grade of rocks, and what information do they provide about the rock's history?
3. Explain the role of tectonic forces in the formation of metamorphic rocks and give an example of a geological feature resulting from regional metamorphism.
4. How can the study of metamorphic rocks provide insights into the Earth's geological history, including the movement of continents and the formation of mountain ranges?
5. Imagine you are a geologist examining a rock that has undergone metamorphism. What physical characteristics or textures might you look for to identify it as a metamorphic rock?

