

Name: _____

Period: ____

METAMORPHIC ROCKS

- ▶ A metamorphic rock is a rock that has been changed by _____ and/or _____
- ▶ Where does **regional metamorphism** usually occur? _____
- ▶ Where does **contact metamorphism** usually occur? _____
- ▶ What is a **parent rock**? _____
- ▶ Explain the difference between foliated and nonfoliated metamorphic rocks.

- ▶ List three foliated metamorphic rocks. _____
- ▶ List three nonfoliated metamorphic rocks. _____
- ▶ What are bands and how to they form?

- ▶ Which is the only metamorphic rock that displays banding? _____

Low-Grade Metamorphism	High-Grade Metamorphism

- ▶ If the sedimentary rock shale is exposed to intense heat and pressure, it will become the metamorphic rock _____. If more heat and pressure is added, it will become _____, if more heat and pressure is added, it will become _____, if more heat and pressure is added, it will become _____.
- ▶ What might happens to gneiss if it is exposed to more heat and pressure? _____
- ▶ What minerals are found in the rock phyllite? _____
- ▶ What minerals are found in the rock slate? _____
- ▶ What is the parent rock for quartzite? _____
- ▶ How are bituminous and anthracite coal different? _____

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METAMORPHIC IDENTIFICATION LAB

Use the images provided along with your ESRTs to identify the samples 1-17 below

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____