

Metamorphic Rocks

1. What does metamorphic mean?

A change in shape or form

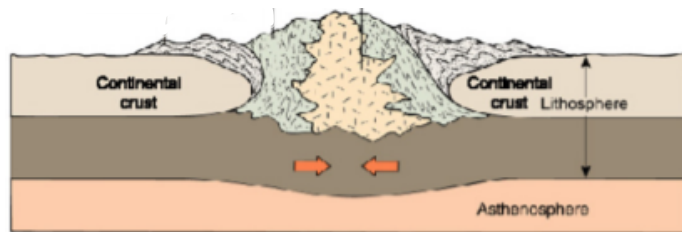
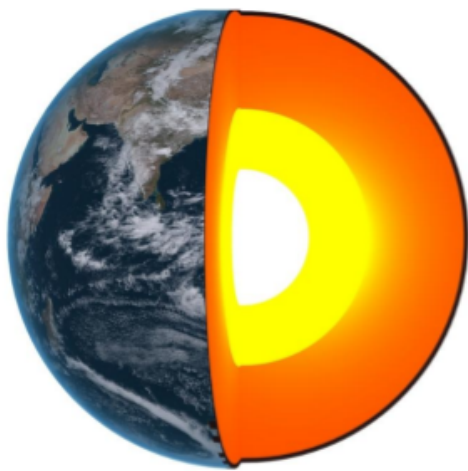


Elizabeth Morales

Animal examples of metamorphosis

2. What causes sedimentary and igneous rocks to change into metamorphic rocks?

Rocks can change due to heat alone or because of heat and pressure.



The two groups of metamorphic rocks are **foliated** and **non-foliated**.

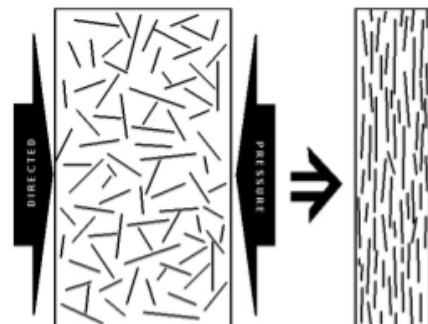
3. What characteristics do foliated rocks have?



4. What caused foliated rocks to form?

Pressure and heat causes crystals to line up. This is called foliation.

5. Where do foliated rocks form?

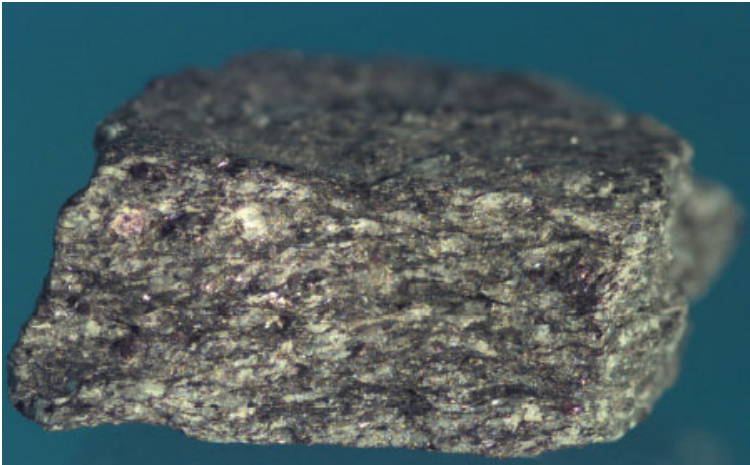




Slate



Examples of metamorphic rocks found in collision boundaries such as the Alps. Slate is often used as shingles on roofs.



Schist





Gneiss (pronounced "nice")





Gneiss again showing
the crystals lined up

6. What characteristics do non-foliated rocks have?

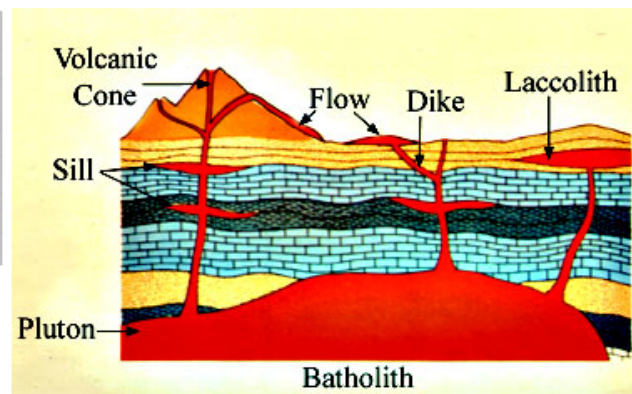
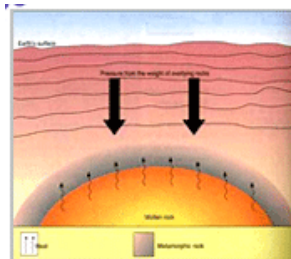
Crystals grow but in any direction. Only one mineral forms in these rocks so they are usually of one color.



7. What caused non-foliated rocks to form?

Heat alone

8. Where do non-foliated rocks form?





Quartzite





Marble

