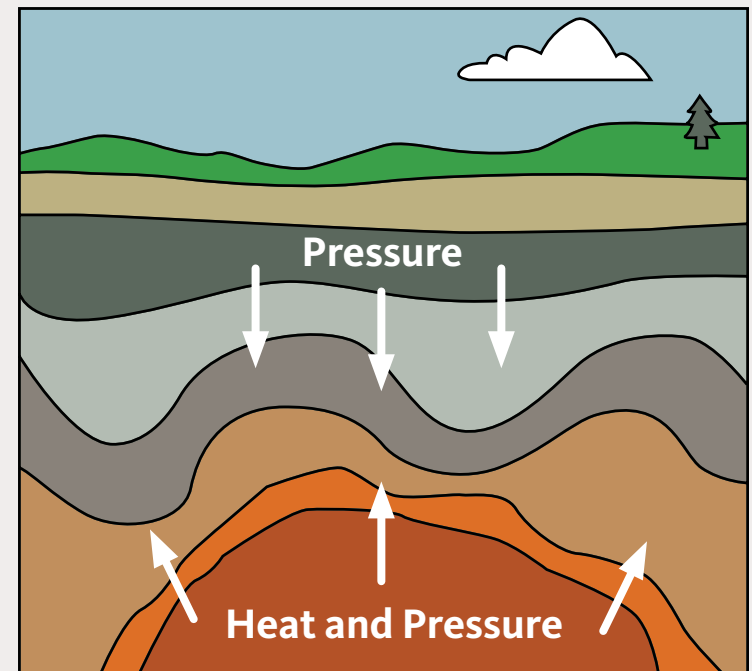




# METAMORPHIC ROCKS

**Metamorphic** rocks have been transformed by intense heat and pressure far below the Earth's surface, causing minerals to recrystallize and new minerals to form.

**High temperatures** can change the chemical structure of rocks, while **strong pressure** pushes and folds rocks into different shapes. This can happen during the mountain building process or when rocks are close to hot magma and get "baked" in the heat.



Metamorphic rocks are formed deep below the Earth's surface.



## Foliated—*with* Layers

The layers in metamorphic rocks are formed by minerals that line up in the same direction, or separate because of the intense pressure.

## Non-Foliated—*without* Layers

Some metamorphic rocks get stretched or develop new crystals when altered by heat and pressure.