**Metamorphic Rocks**

* This process is the transformation of one rock type into another caused by changes in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (stress).
* **Contact Metamorphism** – alteration of a rock, mainly by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, that occurs near a heat source such as a magma chamber
* **Regional Metamorphism** - metamorphism across a broad area caused by the elevated temperatures and pressure of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or deep burial

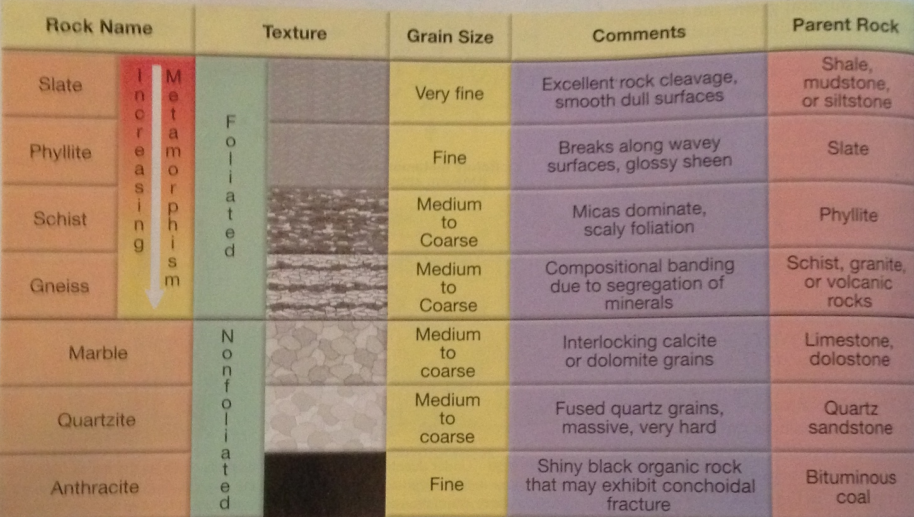
**Metamorphic Rock Textures**

* Foliated – caused by differential stress, the crystals will recrystallize with preferred orientation, perpendicular the direction of the compressional force.
  + show \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ due to pressure
* Nonfoliated – metamorphic rocks composed of only one mineral with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Nonfoliated vs. Foliated**



**Classifying Metamorphic Rocks**

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