Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Metamorphic Rock

*Metamorphism: meta= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ morphos=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Temperature and/or pressure increase

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rock

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rock metamorphic rock

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rock is formed

What causes metamorphism?

1. Heat from nearby magma: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Large pieces of crust collide or

Pressure builds up on buried rock: ­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Interaction with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ released during metamorphism of other rock

Composition of Metamorphic Rock

 Minerals that only form at certain temperatures and pressures are called

 \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

By examining the minerals a rock contains, we can estimate the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at which the rock underwent metamorphism.

Example:



Texture of Metamorphic Rock

 There are \_\_\_\_\_\_\_ kinds of textures in metamorphic rock.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: minerals are aligned in bands (looks like stripes)
2. Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: minerals are not arranged in bands
4. Crystals may \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a process called

*recrystallization*.

1. Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_