GEOLOGY 12
CHAPTER 7 WORKSHEET
METAMORPHIC ROCKS

Name	

700-800 fault zone layering plutonic atoms foliation limestone pressure banding heat low regional contact high melting schist denser hornfels metamorphic facies slate diagenesis hydrothermal metasomatism directed stress index minerals migmatite

Use the following terms to complete the fill-in-the-blank questions. Terms may be used more than once.

equ	ual isograds non-foliated
1.	The two most important causes of metamorphism are and
2.	The low end of metamorphic temperatures represent temperatures in which occurs.
3.	The high end of metamorphic temperatures is limited by the temperature of rocks, above which the rocks are molten.
4.	The typical range of metamorphic temperatures would be from 100-200°C to about
	°C, although dry mafic rocks could be heated to even higher temperatures
	without melting.
5.	geothermal gradient. activity can locally increase the temperatures caused by the normal
6.	Confining pressure is in all directions surrounding a rock.
7.	Pressure that is not uniform in all directions is called
8.	Mountain building generally places on rocks, which can result in deformation of the rocks.
9.	The role of hot fluids in metamorphism is described as activity.
10.	During metamorphism, can rearrange themselves more readily in the presence of fluids.
11.	As temperatures are increased during metamorphism, minerals that are stable at
	temperatures react or break down to form new high-temperature minerals.
12.	Increased confining pressures favor the formation of minerals, whose atoms are packed more closely together