

IGNEOUS ROCK FORMATION, TEXTURE AND COMPOSITION QUESTION CHECKPOINT

Name: _____

- 1.) The *two environments* in which igneous rocks form:
 - a. _____ Crystal Grain sizes will be : _____
 - b. _____ Crystal Grain sizes will be : _____

- 2.) Felsic Igneous rocks are overall light or dark in color? _____
 - a. Name 3 felsic igneous rocks:

 - b. A felsic rock with extremely large crystal grains is called:

 - c. A felsic rock that is considered glassy or vesicular would be:

- 3.) Mafic Igneous rocks are overall light or dark in color? _____
 - a. Name 3 mafic igneous rocks:

 - b. A mafic rock with coarse crystals could be:

 - c. A mafic rock that is fine grained could be:

- 4.) Name me:
 - a. An igneous rock that formed underground and is composed mostly of olivine: _____
 - b. An igneous rock that formed above ground , felsic, and has a glassy texture: _____
 - c. An igneous rock that formed underground and is intermediate In composition: _____
 - d. An igneous rock that formed below ground, felsic, and has coarse crystals: _____

Use your Earth Science Reference Tables to fill in the blank spaces in the table.

Rock	Formed from...	Cooling rate	Crystal size	Texture
Rhyolite	Lava		Small	
Gabbro		Slow		Coarse
Basalt		Fast		Fine
Pumice	Lava		No crystals	
Obsidian		Very fast		Glassy
Granite	Magma		Large	

