

- Use your lab manual, text book, rock ID booklet and rock classification handout (blue sheet) to identify the available samples.

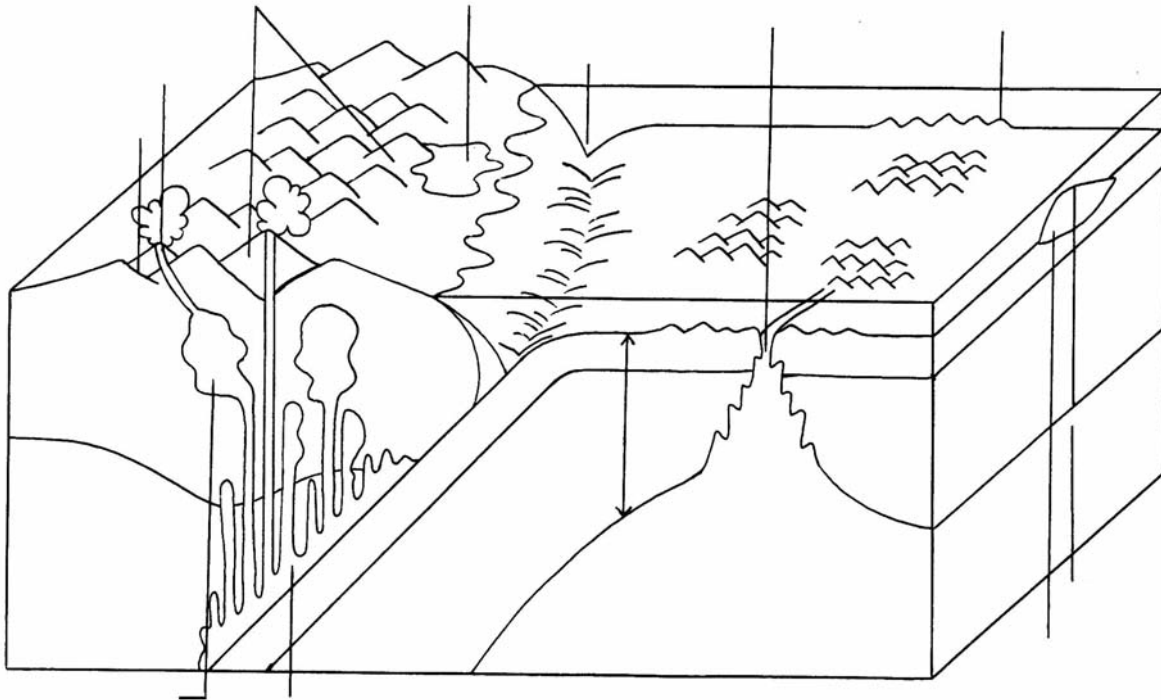
SAMPLE LETTER	NAME	TYPE	SUBCLASS	COMMENTS
F	ANDESITE	igneous	volcanic/extrusive	intermediate composition of diorite
	BASALT			
	BRECCIA			
	CHALK			
	CHERT			
	COAL			
	CONGLOMERATE			
	COQUINA (limestone)			
	DIORITE			
	DOLOMITE			
	GABBRO			
	GNEISS			
	GRANITE			
	LIMESTONE			
	MARBLE			

- Use your lab manual, text book, rock ID booklet and rock classification handout (blue sheet) to identify the available samples.

SAMPLE LETTER	NAME	TYPE	SUBCLASS	COMMENTS
	METACONGLOMERATE			
	OBSIDIAN			
	PERIDOTITE			
	PORPHYRY			
	POTASH			
	PUMICE			
	QUARTZITE			
	RHYOLITE			
	ROCK GYPSUM			
	ROCK SALT OR HALITE			
	SANDSTONE			
	SCHIST			
	SCORIA			
	SHALE			
	SLATE			

Igneous Environments

- Label and color the following diagram. (See your lab manual page 59.)

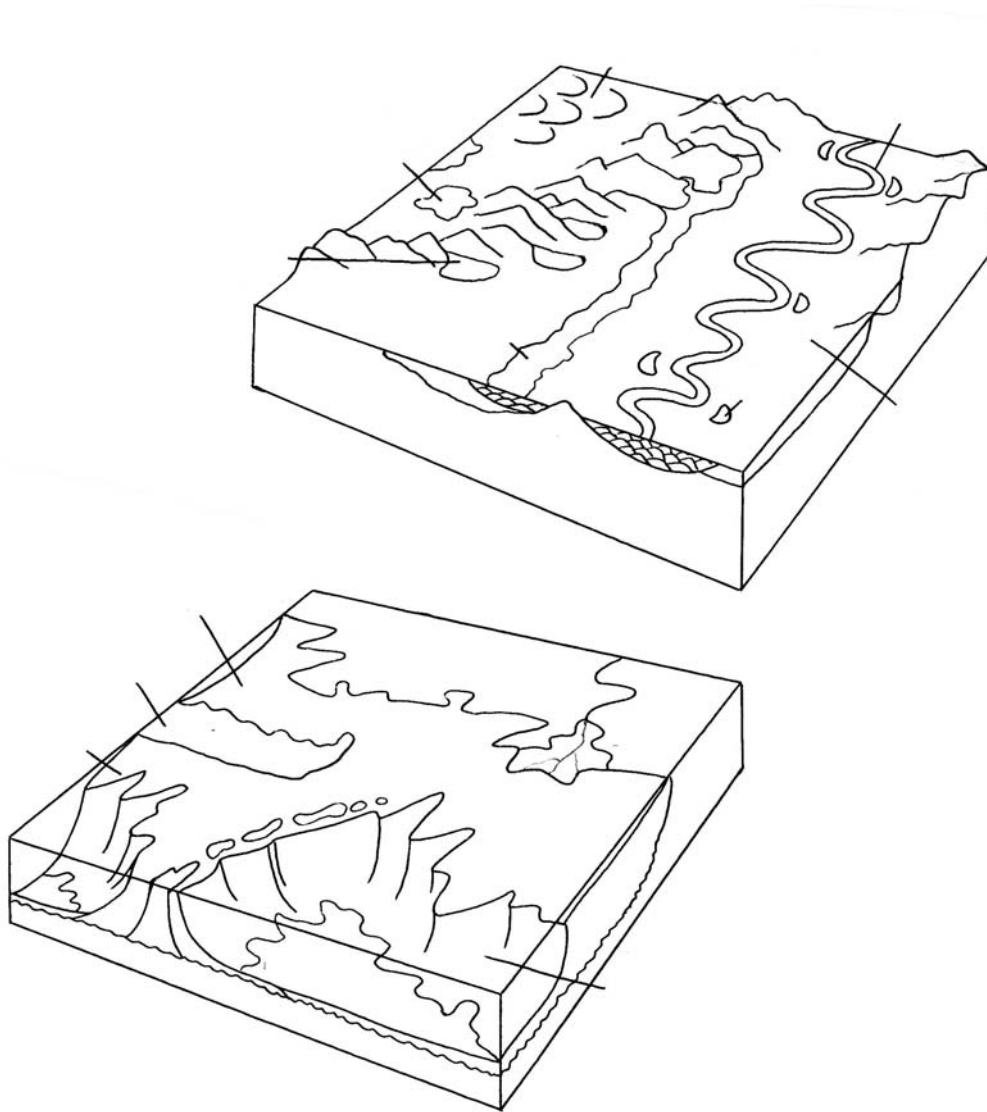


Igneous Rocks I must Know:

- RHYOLITE = _____
 - ANDESITE = _____
 - BASALT = _____
- } compositional equivalents (intrusive vs extrusive)
- PERIDOTITE and ANORTHOSITE are _____ (no quartz) rocks
 - PUMICE, OBSIDIAN and SCORIA are _____
 - PORPHYRY has 2 textures or _____ sizes due to different cooling rates
 - Where would you expect to find hydrothermal deposits?

Sedimentary Environments

- Label and color the following diagram. (See your lab manual page 76.)

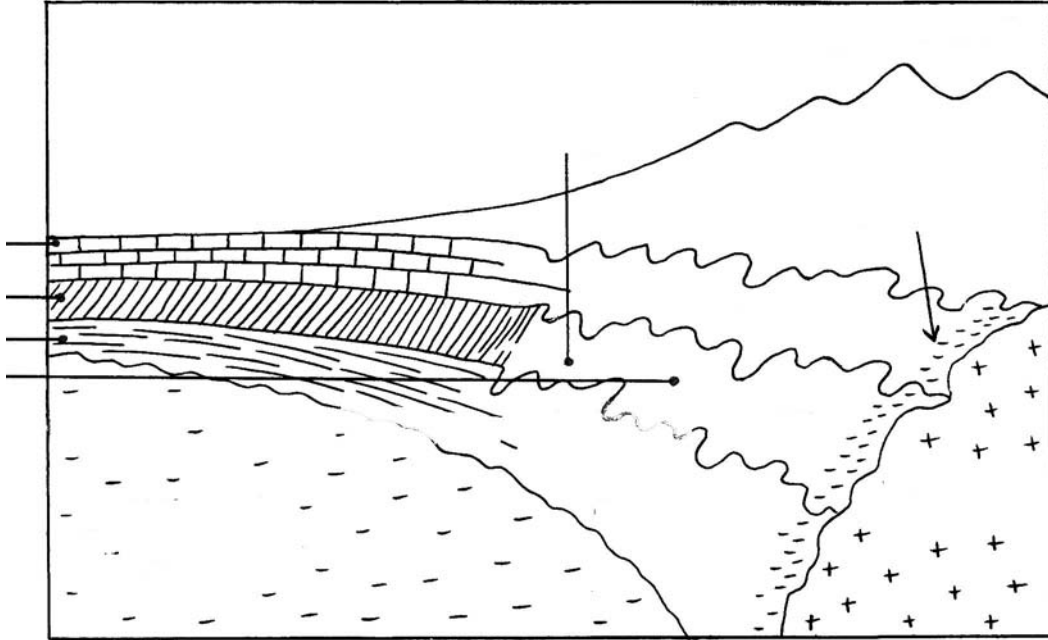


Sedimentary Rocks I must Know:

- BRECCIA / TILLITE
- CONGLOMERATE
- SANDSTONE
- LIMESTONE
- SHALE / SILTSTONE / MUDSTONE
- COAL
- Where do evaporates such as potash and rock salt form?

Metamorphic Environments

- Label and color the following diagram. (See your lab manual page 88.)



Metamorphic Rocks I must Know:

- Shale → SLATE → PHYLLITE → SCHIST → GNEISS
- Limestone → MARBLE
- Sandstone → QUARTZITE
- Conglomerate → METACONGLOMERATE
- HORNFELS and CHILLED MARGINS are caused by _____ metamorphism.
- Which rocks are FOLIATED?
- Which rocks are NON-FOLIATED?