## IGNEOUS ROCK FORMATION, TEXTURE AND COMPOSITION QUESTION CHECKPOINT

Name:_								
1.)	The two environments in which igneous rocks form:  a Crystal Grain sizes will be :							
		Crystal Grain sizes will be :						
2.)	•	gneous 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.)	,	gneous rocks are overall light or dark in color? Name 3 mafic igneous rocks:						
	b.	A mafic rock with coarse crystals could be:						
	С.	A mafic rock that is fine grained could be:						
4.)	Name r							
	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:						
	С.	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	

Name:					Date: _			f	'erioa: _		
			Scheme fo	r Igneous Ro	ock Identifica	ation [	GRAIN SIZE	TEX	rure		
	ENVIRONMENT OF FORMATION		Obsidia (usually appea	in irs black)	Basaític Glass		Non- crystaline	Glassy	Non- vesicular		
a		USIV anic)	Pumice		Vesicular Basaltic Glass		5		Vesicular (gas		
0000	Æ	EXTRUSIVE (Volcanio)	Vesicular Rhyolite	Vesicular Andesite	Scoria / Vestcular Basart		lhan	Fine	pockets)	-	
GNEOUS ROCKS	ENTOF	LUJ	Rhyoiste	Andesite	Basəlt		l less than n 1 mm				
9	MRONN	INTRUSIVE (Plutonic)	Granite	Diorite	Gabbro	Peri- dotite	m 1 mm to er 10 mm	Coarse	Non- vesicular		
	m	ĒĒ.	A C	Е	G I	K	m or larger	Very Coarse			
CHARACTERISTICS		LIGHT - LOW -					DARK HIGH MAFIC	(Fe, Mg)	-	ced crop pie of paper vercu	
<u> </u>	100	1%	Potassium			539	<del></del> 100%		1) 80	crop pie	Ce
	70	5%	feldspar pink to white)				<u> </u>		C	of paper	
NORTH COMPOSITION (Release by Volume)		"	, Calartz (dear to white)	Plagiod ase feld (while to gray	ldspa av)		,0%		2.) (	rencul	
COM	50	] 			Pyroxene (gren)	/	50%				
INERA (Relati	- 25	<u> </u>		Biot = (blact)		Olivin	<u> </u>				
### ### ##############################				Am hibole (t ack)		(green					
Dec.		}% <b>⊐</b>	BOCOMOD	(6/2018) F	HORA	13	– 0% Jalt	C on	x°0	(Durite)	
LX: voc Miner			A-B	C-D	E-F	G-1		I-	J	K-L	
Potassium Fe		par	65%			A CONTRACTOR OF THE CONTRACTOR					
Quartz			20%								
Plagioclase F	Feld	lspar	1070								
Biotite			15%								
Amphibole			Z2.5%								
Pyroxene			0 %								
Olivine			00								
			1 20								
Density			1000								
Color			light Feuic			,					
Composition			Fevic								