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IGNEOUS ROCK IDENTIFICATION FLOW CHART

Igneous Rock to Identify

TEXTURE	COLOR	SPECIAL FEATURES	ROCK NAME	ROCK PHOTO
No Crystals or Fine Grained	Dark Gray, Green, Black	Looks like glass	**Obsidian**	
		Heavy	**Basalt**	
	Light Gray, Pink, Red, Yellow, Tan	Can be yellow/orange; may be medium grained	**Carbonatite**	
		Light weight, lots of tiny holes, floats	**Pumice**	
		Mostly fine grained, a few larger crystals may be seen	**Rhyolite**	
Two Grains sizes / Larger crystals surrounded by fine grains	Gray, Green, Brown, White & some Black	Larger grains are all about the same size	**Trachyte**	
	Gray-Green	Larger grains can be different sizes and have sharp points	**Volcanic Breccia**	
Medium to Coarse Grained	All or mostly Dark Gray, Black, Green	Smaller grains than other dark rocks. Usually solid black to dark green.	**Peridotite**	
		Contains mostly (more than half) dark crystals and only a few light crystals	**Gabbro**	
		Has about half dark crystals and half light crystals (looks more dark)	**Diorite**	
	Light or Dark Gray, White, Red, Yellow, & some black	Lots of quartz in rock (samples in Mini Me kits are often Red)	**Granite**	
		Little quartz in rock	**Monzonite**	
	White, Light Gray, Pink, Violet, some black	Has smaller grains than other light colored rocks. Some black minerals.	**Syenite**	
		Easy to see medium grains	**Anorthosite**	
		Very large, rounded, crystals of different types of minerals	**Pegmatite**	