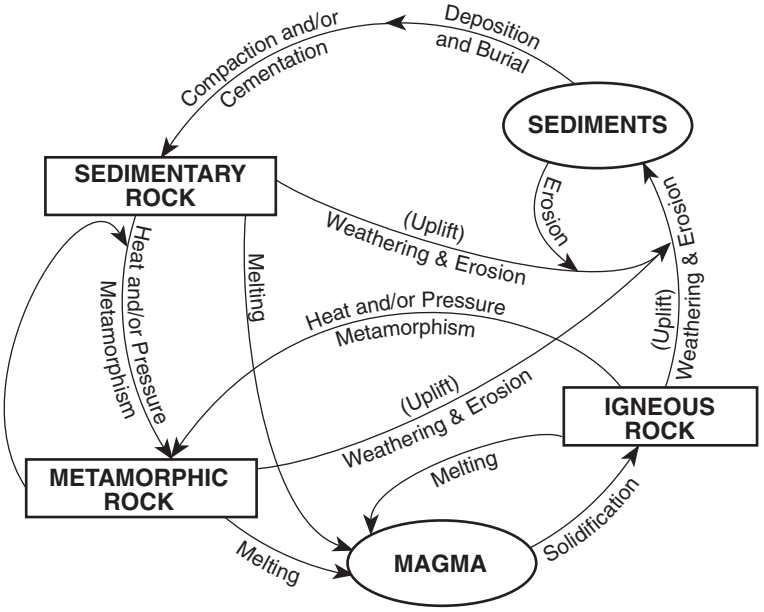
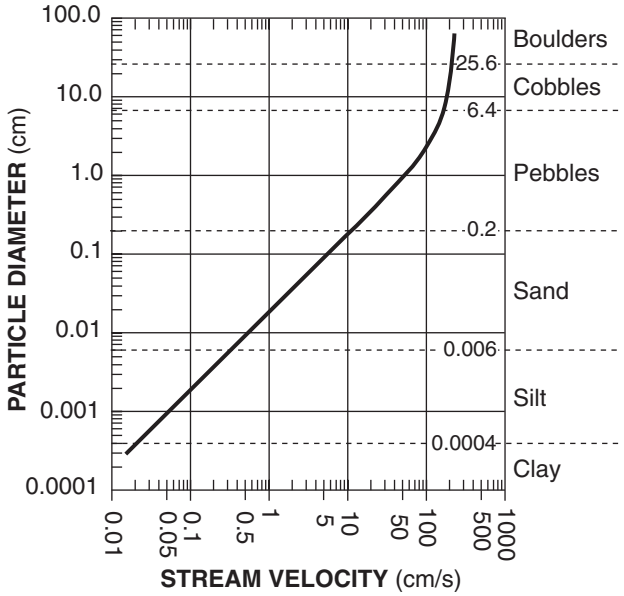
Rock Cycle in Earth's Crust



Relationship of Transported Particle Size to Water Velocity



This generalized graph shows the water velocity needed to maintain, but not start, movement. Variations occur due to differences in particle density and shape.

Scheme for Igneous Rock Identification

IGNEOUS ROCKS	ENVIRONMENT OF FORMATION						CRYSTAL SIZE	TEXTURE	
	EXTRUSIVE (Volcanic)	Obsidian (usually appears black)		Basaltic glass			non-crystalline	Glassy	Non-vesicular
		Pumice		Scoria					Vesicular (gas pockets)
		Vesicular rhyolite	Vesicular andesite	Vesicular basalt			less than 1 mm	Fine	
		Rhyolite	Andesite	Basalt					Non-vesicular
	INTRUSIVE (Plutonic)			Diabase					
		Granite	Diorite	Gabbro	Peridotite	Dunite	1 mm to 10 mm	Coarse	
		Pegmatite					10 mm or larger	Very coarse