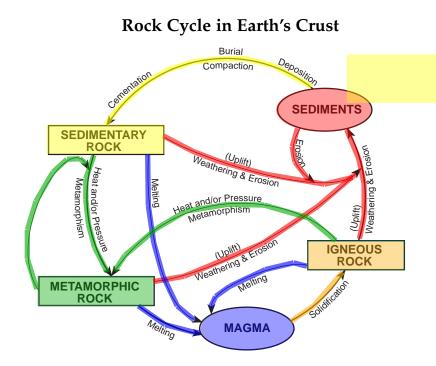
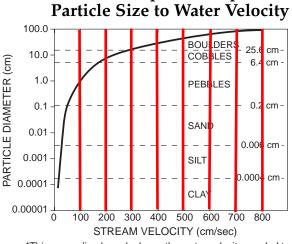


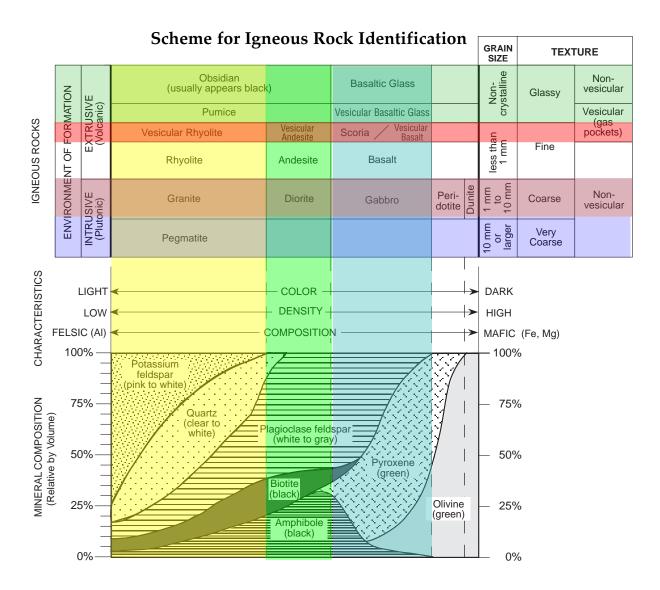
NOTE: Not all plates and boundaries are shown.





Relationship of Transported

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



INORGANIC LAND-DERIVED SEDIMENTARY ROCKS														
TEXTURE	GRAIN SIZE	COMPOSITION	COMMENTS	ROCK NAME	MAP SYMBOL									
	Pebbles, cobbles, and/or boulders		Rounded fragments	Conglomerate	00000000000000000000000000000000000000									
Clastic (fragmental)	embedded in sand, silt, and/or clay	Mostly quartz, —— feldspar, and ——	Angular fragments	Breccia										
	Sand (0.2 to 0.006 cm)	clay minerals; may contain	Fine to coarse	Sandstone										
	Silt (0.006 to 0.0004 cm)	fragments of other rocks	Very fine grain	Siltstone										
	Clay (less than 0.0004 cm)	and minerals —	Compact; may split easily	Shale										
	CHEMICALLY AND/OR ORGANICALLY FORMED SEDIMENTARY ROCKS													
TEXTURE	GRAIN SIZE	COMPOSITION	COMMENTS	ROCK NAME	MAP SYMBOL									
	Varied	Halite	Crystals from	Rock Salt										
Crystalline	Varied	Gypsum	chemical precipitates and evaporites	Rock Gypsum										
	Varied	Dolomite	·	Dolostone										
Bioclastic	Microscopic to coarse	Calcite	Cemented shell fragments or precipitates of biologic origin	Limestone										
	Varied	Carbon	From plant remains	Coal										

Scheme for Metamorphic Rock Identification

ТЕ	XTURE	TURE GRAIN SIZE		COMPOSITION			ON	TYPE OF METAMORPHISM	COMMENTS	ROCK NAME	MAP SYMBOL
Q	E	Fine						Regional	Low-grade metamorphism of shale	Slate	
FOLIATED	MINERAL	Fine to medium						(Heat and pressure increase with depth) ▼	Foliation surfaces shiny from microscopic mica crystals	Phyllite	* * * * * * * *
			MICA	QUARTZ	FELDSPAR		KENE		Platy mica crystals visible from metamorphism of clay or feldspars	Schist	
	BAND- ING	Medium to coarse		U	Ľ	AN	PYROXENE		High-grade metamorphism; some mica changed to feldspar; segregated by mineral type into bands	Gneiss	
		Fine		Variable			Contact (Heat)	Various rocks changed by heat from nearby magma/lava	Hornfels	$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	
	LIATED	Fine		Quartz					Metamorphism of quartz sandstone	Quartzite	
	NONFOLIATED	to coarse	С		cite and/or olomite		/or	Regional or Contact	Metamorphism of limestone or dolostone	Marble	
		Coarse	Va	in p	ar				Pebbles may be distorted or stretched	Metaconglomerate	$\begin{array}{c} \left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $