TEXTURE	GRAIN SIZE	<b>ROCK NAME</b> *modify rock name by adding name of prominent minerals (e.g., garnet schist, etc.)	DESCRIPTION	INTERPRETATIONS	
				<b>Common Protoliths</b> (original or "parent" rock)	Metamorphic Grade / Type
Non-Foliated (massive or no layering) (layered)	very fine	SLATE	layers break into thin plates (slaty cleavage), smooth surface, harder and more shiny than shale	mudstone	MOT low pressure (P) & low temperature (T) metamorphism (regional)
	fine	PHYLLITE	layers may be wrinkled (crenulated), silky sheen (phyllitic luster)	mudstone	low P & low T metamorphism (regional)
	medium to coarse	SCHIST	layers have flaky scales of mica (schistosity), index minerals are common (e.g., garnet, micas, kyanite, staurolite, sillimanite, amphibole, etc.) <b>Amphibolite</b> - abundant amphibole	mudstone volcanic rocks	moderate P & T metamorphism (regional) many varieties from different protoliths form in different pressure & temperature condition
	coarse	GNEISS	lighter and darker compositional layers (gneissic banding) <b>Migmatite Mylonite Augen Gneiss</b>	mudstone plutonic rocks etc.	high P & high T metamorphism (regional) <b>Mylonite</b> (formed from faulting or ductile she <b>Migmatite</b> (highest grade - partially melted)
	coarse	METACONGLOMERATE	breaks across clasts boundaries <b>Stretched Pebble Conglomerate</b> - original clasts deformed into cigar-shaped rods (stretching lineation)	conglomerate	variable metamorphic grade variable P & T metamorphism (regional) may become foliated from stretching during tectonic shear
	fine	METABASALT	typically massive, greenish color due to high chlorite content <b>Greenstone</b> - a common Precambrian rock type	basalt	low metamorphic grade low P & low T metamorphism (regional) may become foliated (greenschist) under higher pressure & temperature conditions
	fine to coarse	QUARTZITE	interlocking quartz break across grain boundaries, very hard (H = 7), not scratched by steel, will not react with HCl, variable color, relict sedimentary structures may be preserved	quartz arenite	variable metamorphic grade low P & high T metamorphism (contact) may also form from regional metamorphism (no foliation due to lack of platy minerals)
	medium to coarse	MARBLE	interlocking calcite or dolomite crystals, easily scratched with a steel nail (H = 3), may react with HCI , variable color	limestone dolostone	variable metamorphic grade low P & high T metamorphism (contact) may also form from regional metamorphism (no foliation due to lack of platy minerals)
	very fine	HORNFELS	very hard, variable color	many	high metamorphic grade Iow P & high T metamorphism (contact)
	n/a	ANTHRACITE COAL	hard, compact, shiny luster, dark color, >90% carbon	bituminous coal	low metamorphic grade low P & low T metamorphism (regional)