Minerals Harder Than Glass

Good Streak

Cleavage

weathered and rounded most common

[Red to red-		Hardness 5.5	Red to purple to black. Dull earthy appearance.	Нематіте	does form crystals, but we mostly see the finely disseminated
l	brown streak		5.5- 6.5	Shiny silver; may be weakly magnetic; massive or crumbly	SPECULAR HEMATITE	metallic luster may be very shiny like polished metal, or dull, like tarnished metal, or even powdery like rust
	Black streak		6.0	Dark gray to black; strongly magnetic	Magne- TITE	
	Greenish streak		6.0- 6.5	Pale brass yellow, sometimes finely disseminated, or cubic	Pyrite	fools gold; crystals often seen, but massive or finely dissem. com.

Cleavages Pink frequently, may be whitish; ORTHOCLASE block; opaque **90**° look for flat shiny faces that reflect light White or blue or green **MICROCLINE** Good pure this is white; may be highly iridescent; striations diagnostic CALCIC Dark gray, blueish; striations PLAGIOCLASE **Prismatic** common; translucent **90**° SODIC White; striations common; Cleavage PLAGIOCLASE translucent 60°/ elongate, shiny Black, shiny, long crystals; faces two directions of crystals are typical AMPHIBOLE **120́⁰** cleavage; third broken up by many cleavages direction fractures usually blocky crystals; may be shiny 87º/ Dark green to black; often dull; **Pyroxene 93**° blocky; cleavage hard to find black when fresh Dark green to black; often dull; **Pyroxene** blocky; cleavage hard to see massive varieties of Blood red to green; cleavage-like Cleavage GARNET garnet are common fracture; 12 or 24 sided crystals Not Obvious Pistachio green; crystalline, but **E**PI DOTE may be massive or finely Hardness Do not confuse crystal growth shape with 7.5-Bluish-green; weak basal cleavage cleavage! Many BERYL crystals with good 8 but very flat and shiny shapes do not cleave Colorless, white, transparent; TOPAZ 8 perfect basal cleavage the red variety is a Brown, pink, blue; 6 sided tapered 9 CORUNDUM rubv crystals common, weak basal parting quartz is one of the Clear and glassy, to translucent, most common minerals, found in all rock types; has many colors/varieties/appeato frosted, opaque and dull 6 sided pointed crystals common growth habit, but No (weathered and rounded). Many QUARTZ pale colors (gray, white, pink common); 6-sided crystals but most irregular specimens with chonchoidal fracture; or rances rances
> Amethyst - violet
> Rose > Smoky
> Milky > etc.

massive w/ chonchoidal fracture. Green, glassy, usually granular like

sand, or massive

OLIVINE

Non-Metallic Luster

Metallic Luste