

# GY 111 Mineral/Mineraloid Identification Key

(Black numbers on Yellow tags)

#	Mineral Name* [ ] - Group Affiliation ( ) - variety or alternative name	Mineral Class	Your notes: (i.e., diagnostic properties, economic value etc.)
1 2 3	graphite sulfur copper	I: Native Elements	
4 5 6 7	sphalerite pyrite chalcopyrite galena	II: Sulfides	
8 9 10 11 12	corundum limonite bauxite magnetite hematite	III: Oxides	
13 14	halite fluorite	IV: Halides	
15 16 17	calcite dolomite malachite	V: Carbonates	
18 19	gypsum (v. selenite) gypsum (v. satin spar)	VI: Sulphates	
20	apatite	VII: Phosphates	
VIII: Silicate Minerals			
21 22 23 24 25	quartz (v. milky) quartz (v. crystal) quartz (v. rose) quartz (v. amethyst) quartz (v. smoky)	Quartz Varieties	
26 27 28 29 30 31 32 33	olivine augite [pyroxene] hornblende [amphibole] biotite [mica] muscovite [mica] Ca-plagioclase Na-plagioclase orthoclase	Igneous Silicates	
34 35 36 37 38	Talc Chlorite Garnet Kyanite Staurolite	metamorphic rock silicates	
39 44	Chert (cryptocrystalline silica) Kaolinite	sedimentary silicates	

\*names in (round parentheses) are alternative names (v. = variety);

\*names in [square parentheses] are group names