

Name: _____

Date: _____

MINERAL ID

	CLEAVAGE or FRACTURE (Are there ANY flat smooth surfaces?)	HARDESS (resistance to being scratched) SWF / STG / HTG	STREAK (color of powder)	LUSTER (the way the surface reflects light) M / NM	OTHER (anything notable/interesting, worth mentioning)	COLOR	MINERAL NAME (Use your ESRT for help)
1-1A							
1-1B							
1-2A							
1-2B							
1-3A							
1-3B							
1-4A							
1-4B							
1-5A							
1-5B							
1-6A							
1-6B							

SWF=ScratchWithFingernail **STG**=SofterThanGlass **HTG**=HarderThanGlass **M**=Metallic **NM**=Nonmetallic

Fill in the missing information in the chart below by using the “Properties of Common Minerals” in the *Earth Science Reference Tables page 16*

Luster	Hardness	Composition	Color	Mineral Name
Nonmetallic	6		white to pink	
	2	S		
	4		colorless/variable	
Metallic	2.5		metallic silver	
		$Mg_3Si_4O_{10}(OH)_2$		Talc
	1-6.5	Fe_2O_3		
Nonmetallic	2	$CaSO_4 \cdot 2H_2O$	white to pink	
Nonmetallic		CaF_2		
			brassy yellow	
		$Fe_3Al_2Si_3O_{12}$	dark red	
		C		
Nonmetallic	3		colorless/variable	
Metallic	5.5-6.5		black to silver	
	6.5	$(Fe, Mg)_2SiO_4$		

Which mineral has the following characteristics?

Mineral Characteristics	Mineral Name
Bubbles with acid when powdered	
Cleaves at 56° and 124°	
Food additive and melts ice	
Easily scratched by a fingernail	
Red-brown streak	
Feels greasy	
Used in glass, jewelry and electronics	
Polarizing prism and used in cement	