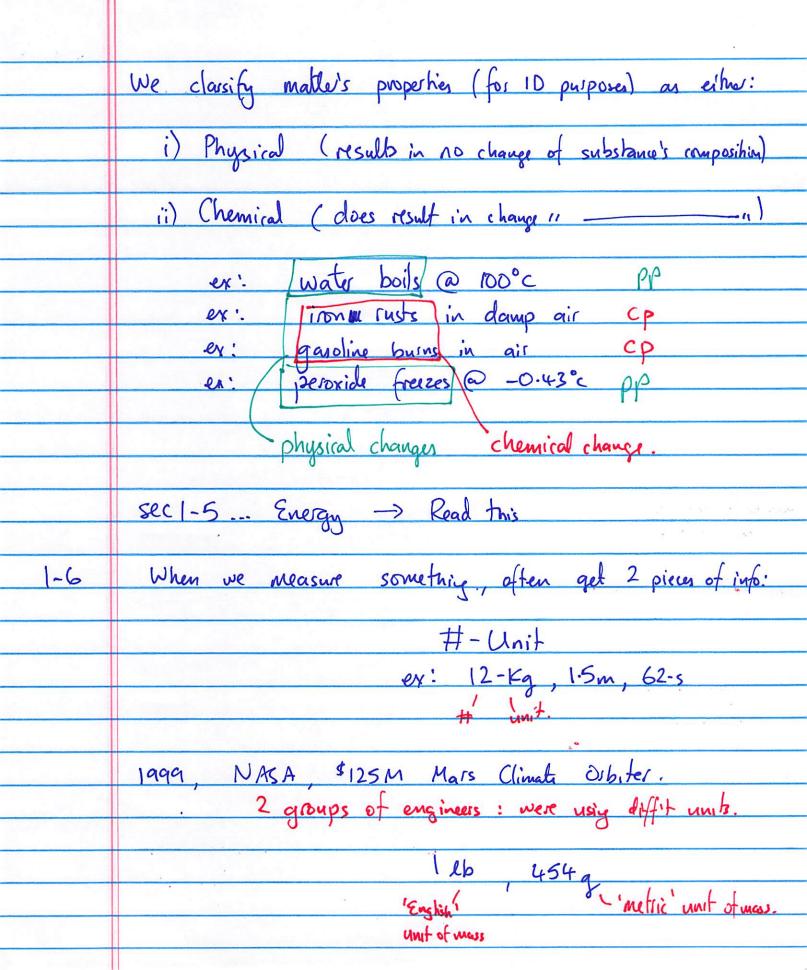
8/29/18					
	Matter? Anything with mass + volume.				
	ex'. papes apples baking soda				
	elephanh water aluminum				
	people salt dust				
	tea helium 5¢ piece chips beer magnesium				
	chips beer magnesium				
	Physical State				
	GI solids: hard to compress, fixed shape				
	(1) liquids: "-" fluid shape				
	(9) gares: easy " - " " "				
	Elements: can't be separated into simpler substances. Magnesium				
	Compounds - can be separated into elements of water, salt, baking soda fixed propositions.				
	Mixture - can be separated into elements w/ paper, elephants Variable ratios people, tea, beer, dust				
	Variable ratios people, tea, beer, dust, 54 pieu				
	Homegeneous Heterogeneons				
	same composition varies in composition				
	throughout throughout				
	ex tea, beer elephants dust, people.				



	International System	(SI) unih	~ used by scientists	
			J	
	Quantity	Unit	Symbol	
	length	neter	m)	
	mass		Kg (v. importa.	J
	mass time	second	s in	
	temperature.	Kelvin.	K CHEMII41	
	amount of substance		mol	
	elec. current.		A	
	lyminous intensity		cd	
	· J			
	SI prefixes a	re used to	modify our ban SI	
-	unik: large	er or sm	modify our base SI	
	Pafix	Symbol	Multiplies	
	-	0		
	tesa giga mega Kilo	T	×10 ¹²	
	giga	G	× 109	
	mega	M	x 10°	
	Kilo	K	×10 ³	
	deci	d	×10-2	
	centi	C	×10 ⁻²	
-	milli	m · · ·	×10 ⁻³	
	micso	μ	×10-6	
	nano	n	×10 ⁻⁹ ×10 ⁻¹²	
	piro	ρ	× (0 ⁻¹²	
	-		2000	