Cornell Notes	Topic/Ol	Topic/Objective: One Step Problems (Part II)			Name:					
	(Mass/N	Moles, Volume/N	loles Conversions, and	Class/Period: <b>Chemistry</b>						
AVID®		Conversions			Date:					
Essential Question	ns: <b>How</b>	can you con	es, ma	ss, and volun	ne?					
Questions:		Notes:								
How is the chart			Formula			Formula				
setup for										
conversion between										
moles and mass?										
Moles and volume?										
How do you co	onvert	Calcium, the fifth most abundant element on Earth, is always								
from mass to		found combined with other elements because of its high reactivity.								
moles?		How many moles of calcium chloride are in 525 g calcium								
		chloride CaCl <sub>2</sub> )? $20 \stackrel{+2}{\rightarrow} 17 \stackrel{+1}{\stackrel{+1}}{\stackrel{+1}{\stackrel{+1}}{\stackrel{+1}}{\stackrel{+1}}{\stackrel{+1}}{\stackrel{+}}{\stackrel{+}}{\stackrel{+}}{\stackrel{+}}}}}}}}}}$								
			Formula							
			Formula Ca Cll Chlorine							
				35.453 3 <sub>1</sub>						
				Mo	lar Mass Cal	culations:				
How do you co	onvert	Carbon díoxíde ( $CO_2$ ) is a gas produced following the combustion								
from volume	to	of gasoline in a car engine. Calculate the moles of 35.9 liters of								
moles?		carbon díoxíde.								
			Formula							

What do you have									
to do to move from									
one conv	ersion box								
to anoth	er?								
How do y	ou convert	Gold it one of a group of metals called the coinage metals							
from mass to		(copper, silver, and gold). How many atoms of gold (Au)							
particles?		are in a pure gold nugget having a mass of 25.0 g?							
			_	1		1			
	$79^{+1}$		Formula		Formula				
	Au								
	Gold 196.967*5d								
	170.707[*50					Г			
How do you convert		What is the volume in liters of 3.40 $\times$ 10 <sup>22</sup> atoms of							
from particles to		MgSO <sub>4</sub> ?							
volume?			Farmenda		- 1				
			Formula		Formula				
Summary:									