<b>Dimensional Analysis</b>	Name			
Chemistry		Date		Hour
What is dimensional analysis	3?			
What is a conversion factor?	Provide a few examples.			
- A tool in dimensiona	al analysis used to	from one	to	·
- These are	values - They	change.		
- They have an infinite	e number of sig figs. (rule 5)	)		
What does S.U.C.S. stand for	r?			
<b>S</b> tart → What	and are you	starting with?		
$\underline{\underline{U}}$ nknown $\rightarrow$ What $\underline{}$	are you trying to get to	5?		
$\underline{\mathbf{C}}$ onversion Factor(s) $\rightarrow$ Ho	w are you going to get there	?		
• Select a conversion factor	or that out	the unit on top.		
• If needed, select another	conversion factor. Continue	e to cancel units until y	ou have the end	ling unit.
$\underline{\mathbf{S}}$ etup & $\underline{\mathbf{S}}$ olve $\rightarrow$ Math! Ma	ake sure all units	!		
	Multiply across the bottom.	•	tom.	
• NO		!		
Practice!		10		
1) If you have 4 pizzas, h		ou need?		
S:	U:		C:	
S:				
				4 pizzas
2) If you invite 14 human	s over for your super awe	esome party, how ma	ny slices of piz	zza would you need?
S:	U:		C:	
Ç.				
S:				

56 slices

3)	If you invite 15 humans over for your super awesome party, how many pizzas would you need?					
S:	U:	C:				
a						
S:			5 pizzas			
4)	If you have a budget of \$150 for pizza, how many pizzas could you	ı get?	Conversion Factors: 1 box = 1 pizza			
S:	U:	C:	1 pizza = 12 slices 1 human = 4 slices			
S:		7 pizza:	1 slice = 5 pieces of pepperoni 1 pizza = \$18.78			
5)	If you have a budget of \$150 for pizza, how many slices could you					
S:	U:	C:				
S:			95 slices			
6)	If you ordered 23 pizzas, how many pieces of pepperoni would you	ı have?				
S:	U:	C:				
S:			1,380 pepperon			
7)	CHALLENGE! If I have \$80.00, how many pieces of pepperoni would coa 3-stepper!	ome on to	op of my pizza(s)? Hint: this is			
S:	U:	C:				
S:			255.0 pepperon			