CHAPTER 7 - ALL

THINGS TO KNOW

Fro	om chapter 7			
	☐ All the vocabulary and notes from the sections we've covered in chapter 7			
	☐ Memorize polyatomic ions			
	☐ Memorize the charge/ oxidation number for groups 1, 2, and 13 - 17			
	☐ Memorize the formulas and names for the binary acids and oxyacids			
	☐ Memorize numerical prefixes			
	☐ Memorize names and formulas for common substances			
	☐ Memorize the rules for determining oxidation numbers			
	☐ Memorize the formula for finding percent composition			
	☐ Memorize the formula for finding a molecular formula			
	— Memorize the formata for finding a molecular formata			
Fro	om Chapter 3			
	☐ Relative mass – definition and how to apply			
	☐ Average atomic mass – definition and how to apply			
	\square Memorize Avogadro's number: 6.022 x 10 ²³ . You can get element masses from the periodic table on the test.			
Fro	om Chapter 22			
110	☐ Types of polymers based on structure and reaction to heat			
	☐ Examples of natural and synthetic polymers			
	☐ Examples of addition and condensation polymers			
	☐ Be able to discuss applications of the properties of polymers, for example:			
	• Why are some plastics recyclable?			
	• Why are some plastics dishwasher safe and some not?			
	• Why is polyester wrinkle resistant?			
Tuni	as to Vnow How to be			
1 HIN	GS TO KNOW HOW TO DO			
	Write formulas for ionic compounds ionic compounds and name them using the Stock system			
	Write formulas for binary molecular compounds and name using the prefix system			
	Read a chemical formula			
	■ 6Al ₂ (SO ₄) ₃ contain how many atoms or moles of Al? S? O?			
	Determine oxidation numbers of each of the elements in a compound			
	Determine oxidation numbers for each of the elements in a polyatomic ion			
	Use the periodic table to determine the average atomic mass of an element			
	Calculate formula mass (amu) and molar mass (g)			
	Use a Q formula "road map" with conversion factors for these, for example:			
	■ mass \rightarrow moles \rightarrow atoms or atoms \rightarrow moles \rightarrow mass			
	Convert moles to mass and mass to moles			
	 Conversion factor is molar mass, you get it off the periodic table 			
	Convert moles to atoms and atoms to moles			
_	• Conversion factor is 6.022×10^{23} atoms in one mole			
	Convert mass to atoms and atoms to mass			
	Mass to moles or atoms and atoms to moles or mass Westerman and a make a make a make and a make a mak			
	Work mass – molecule problems			
	Calculate percent composition			
	Calculate empirical formulas			
Ш	Calculate molecular formulas			

THINGS Y	You Know	YOU NEED	TO PRACTIC	<u>'E</u>