		Name:	5 (Fig. 7.9)
		Blk:	_Date:
	CHEMISTRY UNIT III TEST RE	11 EVIEW	
YOUR UNIT IV TEST IS The format of the test w answer. Your test will al units. In order to help yo package and hand it in a	ill be 40 marks multiple so include 20 % of flas ou prepare for your tes	choice and 30 hback questions t you must com	marks short from the previous
There are FIVE Parts to 1. Moles, atoms, molecu 2. Molar Mass and Perce 3. Empirical Formula + M 4. Molarity	les, grams and volume ent Composition lolecular Formula	@STP	Garage W
. Dilution	4 - 10		
ART I: Moles, atoms, m State Avogadro's Hyp	olecules, grams and voothesis	olume at STP	57 to
	na.		
. What is a mole?	The second second		
144		3	- 1 % · · · · · · · · · · · · · · · · · ·
. Draw the MOLE IS T	HE HEART OF CHEM	IISTRY diagram	:

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4.	How many molecules of potassium carbonate are in a 341.2 g sample?
5.	How many moles are there in a 65.0 g sample of Copper (II) Sulphate?
6.	How many oxygen atoms are in 2.53 x 10 ⁻¹³ moles H ₂ O?
	ng ng mang ang ang ang ang ang ang ang ang ang
7.	How many molecules of SO ₂ are present in a 9.50 L of SO ₂ (g) at STP?
	The second residence of the se
8.	What is the volume occupied by 3.25×10^{-13} molecules of methane gas (CH ₄) at STP?
	De les
9.	How many chloride atoms are contained in 15.6 grams of Iron (III) chloride?
	· ·
1	0. How many atoms are there in 196.0 grams of Silver?
1	ART II: MOLAR MASS AND PERCENT COMPOSTION Calculate the molar mass of the following molecules: Cu(NO ₃) ₂ b. (NH ₄) ₃ PO ₄ c. KAl(SO ₄) ₂ •12H ₂ O