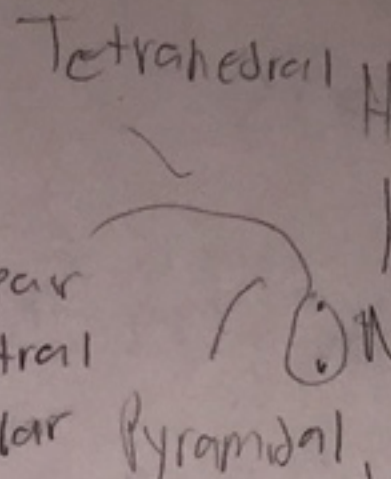
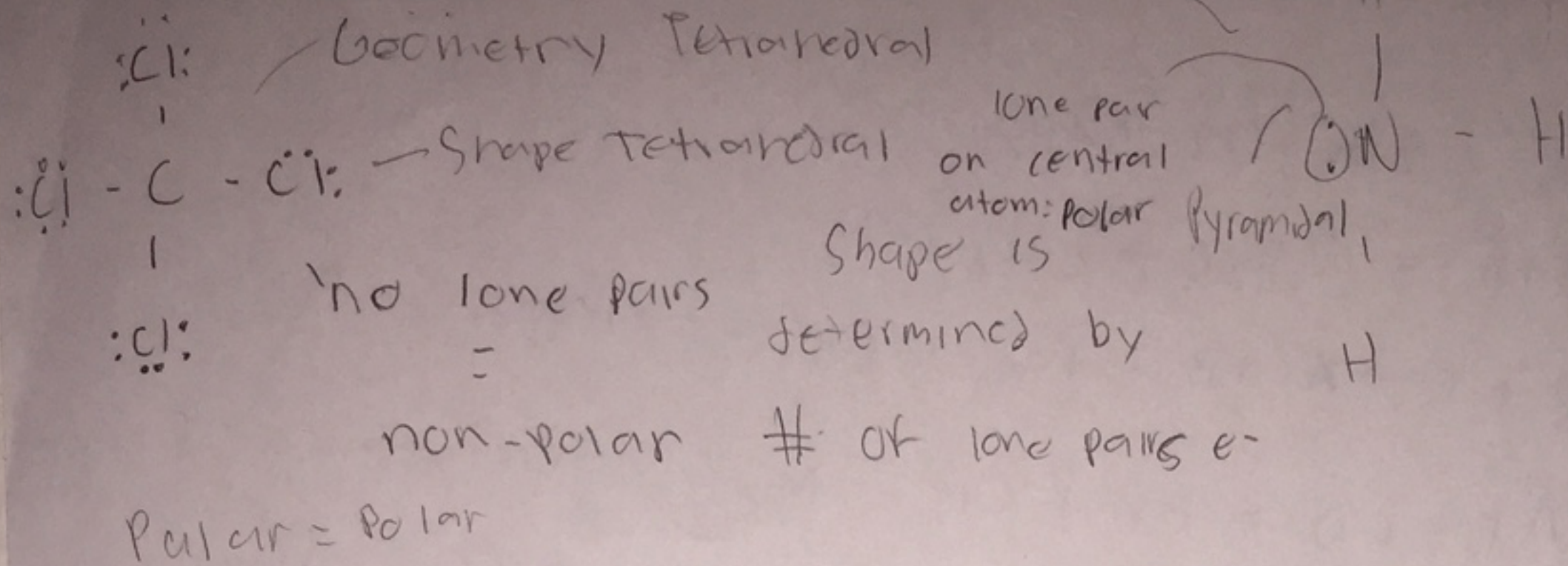
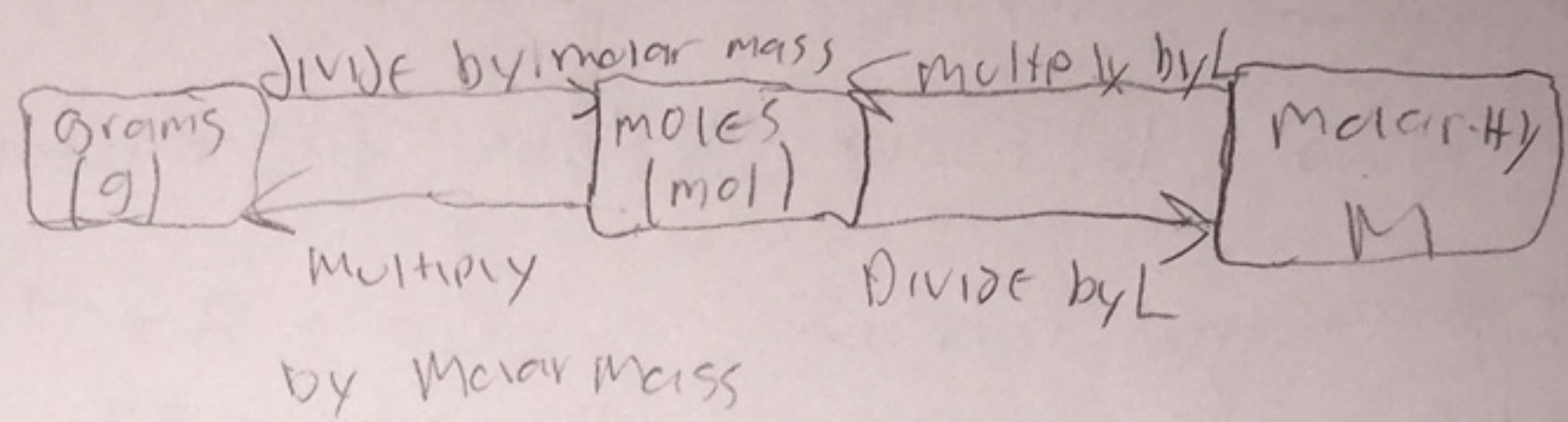


# Molecules



# MOLES

1 mole =  $6.02 \times 10^{23}$



molar mass - mass of  $6.02 \times 10^{23}$  particles

## Molecular Formula

actual # of elements in a compound ex.  $\text{C}_2\text{H}_6$

## Empirical Formula

a formula that gives the simplest/lowest # ratio of atoms in a compound

## Percent Composition

1. x molar mass of element by subscript of element in the compound
2. divide total molar mass of compound 40.9
3. multiply by 100

factors that affect Molarity/solubility - two substances being the same polarity

## Solutions

mixture - two or more solutions  
 Heterogeneous particles aren't evenly distributed  
 Homogeneous particles are evenly distributed  
 also know as a solution

$\uparrow$  Pressure =  $\uparrow$  Solubility of gases in liquid

$\uparrow$  temp =  $\uparrow$  Solubility of solids in liquids

$\text{MAcid} \rightleftharpoons \text{acid} = (\text{KAcid})(\text{LBase})$

Preview from Notesale.co.uk  
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