

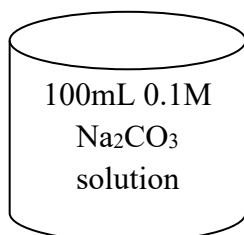


# Cosmo School

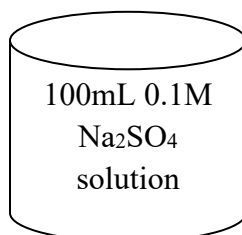
**Class-9**  
**Chemistry**  
**Revision work sheet**  
**Chapter-6**  
**Subject teacher- Syeeda Sultana**  
**Date-30.09.2020**

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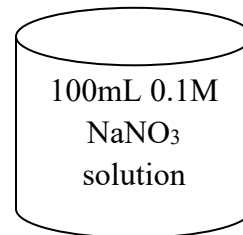
1)



(i)



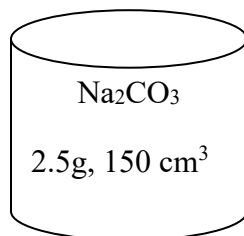
(ii)



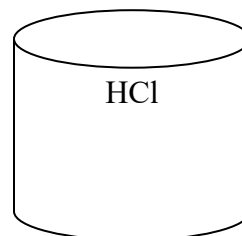
(iii)

- What is molarity?
- Why is molarity dependent on temperature?
- What will be the concentration of the salt of the solution after adding more 100mL water in (i) beaker? Calculate it.
- The amount of solute of (ii) and (iii) of the stem are different – Justify this statement mathematically.

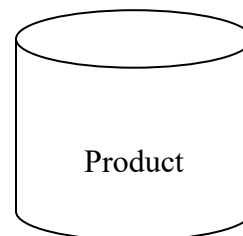
2)



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- What is Stoichiometry?
- What are the differences between molecular formula and empirical formula?
- Calculate the molar concentration of  $\text{Na}_2\text{CO}_3$ .
- Calculate the amount and number of carbon dioxide that formed in given reaction if you put necessary amount of HCl.

- 3) By analyzing 20 g of compound 'A', 0.33g of hydrogen, 4.44 g of nitrogen and 15.24 g of oxygen are obtained. After that the compound will be taken in 250 mL volumetric flask and filled it with water. Molecular mass of the compound A is 63.
- What is chemical equation?
  - Explain the molar volume of  $\text{CO}_2$ .
  - Determine the molecular formula of the compound A.
  - What amount of compound A is needed to be added to the volumetric flask to fix the molarity of the compound to 0.5 M? Explain it mathematically.