

Chemistry
Class-9
Chapter-6
Concept of Mole and Chemical counting
Subject teacher- Syeeda Sultana
Work sheet -6
Date-23.09.2020

Exercise:

Write down the answers of the following questions on your copy.

Questions:

1. What is chemical reaction and chemical equation?
2. What is balanced chemical equation?
3. What is reactants and products?
4. Why balancing of a chemical equation should be needed?
5. How can you write a complete chemical reaction between CaCO_3 & HCl ?
6. Balancing & completing the following equations:
 - a) $\text{CaCO}_3 (\text{s}) + \text{HCl} \longrightarrow \text{CaCl}_2 (\text{g}) + \text{CO}_2 (\text{g}) + \text{H}_2\text{O} (\text{l})$
 - b) $\text{Mg} (\text{NO}_3)_2 (\text{s}) \longrightarrow \text{MgO} (\text{s}) + ? + \text{O}_2 (\text{g})$
 - c) $\text{Al}_2\text{O}_3 (\text{s}) + \text{HCl} (\text{aq}) \longrightarrow ?$
 - d) $\text{AgNO}_3 (\text{s}) \longrightarrow \text{Ag} (\text{s}) + \text{NO}_2 (\text{g}) + ?$
 - e) $\text{Na}_2\text{CO}_3 (\text{s}) + \text{HCl} (\text{aq}) \longrightarrow ?$
 - f) $\text{Na}_2\text{CO}_3 + 2\text{CH}_3\text{COOH} \longrightarrow ?$
 - g) $2\text{HCl} + \text{Na}_2\text{CO}_3 \longrightarrow 2\text{NaCl} + ? + 2\text{H}_2\text{O}$
 - h) $\text{FeSO}_4 + 2\text{NaOH} \longrightarrow ? + \text{Na}_2\text{SO}_4$