



# The New English Private School (NEPS)

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Name: \_\_\_\_\_ 3<sup>rd</sup> Quarter 2019/20 Date: March \_\_\_\_\_, 2020 Subject: Chemistry  
Revision Worksheet (15%) Grade: 7 \_\_ Teacher's Name: Mrs. Sintayehu

## I. Write a short answer for the following questions.

1. Define the following terms or Phrases.

- a. Subscript \_\_\_\_\_
- b. Coefficient \_\_\_\_\_
- c. Reactant \_\_\_\_\_
- d. Product \_\_\_\_\_
- e. Chemical reaction \_\_\_\_\_
- f. Chemical equation \_\_\_\_\_

## II. Give short answer for the following questions.

2. Write qualitative and quantitative meaning for the following symbols and formulas.

### QUALITATIVE MEANING

### QUANTITATIVE MEANING

- |                     |       |
|---------------------|-------|
| a) $2N_2$ _____     | _____ |
| b) $2H_2SO_4$ _____ | _____ |
| c) $H_2$ _____      | _____ |
| d) $5O_3$ _____     | _____ |
| e) $Ca$ _____       | _____ |
| f) $2Na$ _____      | _____ |

3. Write the chemical equation for the following chemical reaction.

- a. Magnesium oxide + water  $\longrightarrow$  Magnesium hydroxide
- b. Sodium + water  $\longrightarrow$  Sodium Hydroxide + hydrogen
- c. Copper(II) + oxygen  $\longrightarrow$  copper oxide
- d. Aluminum + Hydrochloric acid  $\longrightarrow$  Aluminum chloride + hydrogen
- e. Sulphuric acid + magnesium hydroxide  $\longrightarrow$  Magnesium sulphate + water

4. Balance the following chemical equation by LCM method. (Show the necessary steps)

- a.  $KOH + H_2PO_4 \longrightarrow K_3PO_4 + H_2O$
- b.  $MgO + HCl \longrightarrow MgCl_2 + H_2O$
- c.  $Mg + N_2 \longrightarrow Mg_3N_2$
- d.  $FeS_3 + O_2 \longrightarrow Fe_2O_3 + SO_2$

5. Balance the following equation by Algebraic Method (Show the necessary Steps)

- a.  $SiH_4 \longrightarrow Si + H_2$
- b.  $H_2O_2 \longrightarrow H_2O + O_2$
- c.  $Cu_2SO_4 + H_2 \longrightarrow Cu + H_2SO_4$

Parent's/Guardian's signature \_\_\_\_\_