

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

SESSION - 2020-21

CLASS - 8 A, B, C, D & E

SUBJECT – CHEMISTRY

ASSIGNMENT-2

INSTRUCTIONS FOR THE E-LEARN ASSIGNMENT- The parents to ensure that their ward watches the video instructions for this assignment by clicking on the given link- <https://youtu.be/FPoWWNP5a6g> She should revise the lesson given in the book and then work on the assignment. The completed assignment is to be downloaded and filed /pasted in the subject file /copy and kept ready for submission. The day, date and procedure of submission shall be notified later.

CHAPTER 3- Elements Compounds and Mixtures

Topics-

- Elements
- Compounds

Answer the following questions-

- A. Give the symbols of following elements-
- 1) Aluminium
 - 2) Copper
 - 3) Magnesium
 - 4) Sodium
 - 5) Iron
 - 6) Silver
 - 7) Helium
 - 8) Cobalt
 - 9) Chromium
 - 10) Nickel
- B. Complete the following equations-
- 1) Calcium carbonate $\xrightarrow{\text{Heat}}$
 - 2) Lead nitrate $\xrightarrow{\text{Heat}}$
 - 3) Sodium + water \longrightarrow
 - 4) Zinc + sulphuric acid \longrightarrow
 - 5) Magnesium + hydrochloric acid \longrightarrow
- C. Write formulae for the following compounds-
- 1) Sodium carbonate
 - 2) Ammonium chloride

- 3) Glucose
 - 4) Sodium hydrogen carbonate
 - 5) Sulphuric acid
 - 6) Ammonia
 - 7) Sodium hydroxide
 - 8) Lead nitrate
 - 9) Sucrose
 - 10) Ammonium sulphate
- D. Give the Latin names of following elements-
- 1) Copper
 - 2) Iron
 - 3) Sodium
 - 4) Silver
 - 5) Gold
- E. Answer the following in short-
- 1) Elements combine in a fixed proportion of atoms to form a compound. Give an example in support of this statement.
 - 2) What is electrolysis?
- F. Answer the following in detail-
- 1) The properties of a compound are entirely different from those of the constituent elements. Explain with the help of an example.
 - 2) Describe with an example to prove that a compound contains the constituent elements in a fixed proportion of mass.
- G. Draw a neat and well labelled diagram showing the electrolysis of water.

The End