

GIRLS' HIGH SCHOOL & COLLEGE- PRAYAGRAJ

SESSION 2020-2021

CLASS-7 A,B,C,D,E,F

SUBJECT- CHEMISTRY

ASSIGNMENT-2

Instructions :

The parents to ensure that their ward watches the video instructions for this assignment by clicking on the given links :

https://youtu.be/IHTs_Vn9ddk and <https://youtu.be/MqQ0BEVnuCE> ,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.

TOPICS - Change of Mass in chemical changes

- Energy involved during physical and chemical changes
- Elements, compounds and mixtures

ANSWER THE FOLLOWING QUESTIONS-

Q1. Answer in detail:

- a. Can physical and chemical changes occur together? Justify with an example.

- b. Differentiate between homogeneous and heterogeneous mixtures with the help of example.

Q2. Answer in short:

- a) Define mixtures with examples .
- b) Explain compound with examples .
- c) Mention any two differences between physical and chemical changes.
- d) What is slaking of lime?

Q3.What is the atomicity of these molecules – (a) H₂
(b) O₃

Q4Write the formulae for –

- (a) Sulphur trioxide
- (b) Sodium chloride
- (c) Carbon monoxide
- (d) Zinc chloride
- (e) Calcium oxide

Q5 Write the symbol for the following elements -

- (a) Carbon
- (b) Boron
- (c) Aluminium
- (d) Silicon
- (e) Nickel
- (f) Manganese
- (g) Chlorine
- (h) Cobalt
- (i) Chromium
- (j) Neon

Q6. Fill in the blanks-

- a. A change in which heat is evolved is called an _____.
- b. Photosynthesis in green plants is a _____ process.
- c. Mass of carbon plus oxygen is same as the mass of _____ formed.
- d. When ice melts , the heat is _____.

e. Elements are represented by _____.

Q7- Classify the following as homogeneous or heterogeneous mixtures -

- a) Brass
- b) Air
- c) Smoke
- d) Mist
- e) Steel

.....THE END.....