

**GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ**

**SESSION - 2020-21**

**CLASS - 9 A, B, C, D, & E**

**SUBJECT – CHEMISTRY**

**ASSIGNMENT-4**

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

Link 1- <https://youtu.be/K1HaSx1w5Ro>

Link 2 - <https://youtu.be/qYcHWi3FhWc>

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.

**Book-**Concise Chemistry Part I (Class 9) By Dr. S. P. Singh (Selina Publishers Pvt. Ltd.)

**Chapter 4 – Atomic Structure And Chemical Bonding**

**Topic – Chemical Bonding**

**Answer the following questions:**

- 1) An element has atomic number 13.
  - a) Write its electronic configuration.
  - b) Which type of element is it?
  - c) Write the number of valence electrons in it.
  - d) Which type of ion will it form?
  - e) Identify the element.
  - f) Write an equation to represent its ion formation.
  - g) Write the formula of its oxide.
  - h) During the formation of ion it will acquire the electronic configuration of a noble gas, name the noble gas.
  - i) Write the electronic configuration of the above mentioned noble gas.

2) State the type of bonding in the following molecules:

- a) Water
- b) Calcium oxide
- c) Hydrogen chloride
- d) Magnesium chloride
- e) Carbon tetrachloride
- f) Ammonia
- g) Sodium chloride
- h) oxygen

**Questions from the book-**

Note-Please refer to your book and write answers of the following questions in your Chemistry register/notebook along with the above mentioned questions:

Exercise 4 (D) (Page 71) - Q8 and Q9

Exercise 4 (E) (Page 77) – Q5 and Q12

The End