

## CHEMISTRY HOMEWORK FOR O-I

The following topics will be covered till 30<sup>th</sup> May, 2020. The worksheets will be uploaded in Google classroom.

1. Concept of valency
2. Ion formation (Cation & Anion) in order to obtain the electronic configuration of an inert gas.
3. Electronic configuration of Ions of first twenty elements
4. Difference between Compounds and mixtures
5. Chemical and physical change
6. Why do atoms form bonds?
7. Chemical bonds
8. Ionic Bond
9. Formation of ionic compounds involving transfer of one electron
10. Formation of ionic compounds involving transfer of two electrons
11. Dot and cross diagram
12. Crystalline Structure of ionic compounds
13. Solubility and electrical conductance of ionic compounds in solution and molten form
14. Deduce the formulae of ionic compounds from their lattice structure
15. Deduce the physical and chemical properties of ionic substances from their structure.

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