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Organic Chemistry

Chapter 1

by

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Activity 1

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Activity 1

QUESTION 1

- (i) Define Octet rule.
- (ii) Give Lewis symbol of carbon, nitrogen and bromine elements.

QUESTION 2

Draw the Electronic Shell diagram of following compounds.

- (i) NaCl
- (ii) HF
- (iii) LiBr

Activity 1

QUESTION 3

- (a) Define ionic and covalent bonds.
- (b) Identify ionic and covalent bond in following compounds?
- (i) H_2S
 - (ii) CaCl_2
 - (iii) NH_3

QUESTION 4

Write down the electronic configuration of the following elements?

- (i) ${}^6\text{C}$
- (ii) ${}^8\text{O}$
- (iii) ${}^{17}\text{Cl}^-$

Activity 1

1. In which type of bond has an electron been donated from one atom to another?

- Hydrogen
- Nonpolar covalent
- Polar Covalent
- Ionic

2. When an atom loses an electron, it is called _____ .

- Highly electronegative
- An anion
- A cation
- Inert