

**PSBB Learning Leadership Academy**  
**Symbols and Valencies**  
**Class -VIII**

| Atomic number   | Name of the element | Symbol           | Valency |
|-----------------|---------------------|------------------|---------|
| 1               | Hydrogen            | H                | 1       |
| 2               | Helium              | He               | 0       |
| 3               | Lithium             | Li               | 1       |
| 4               | Beryllium           | Be               | 2       |
| 5               | Boron               | B                | 3       |
| 6               | Carbon              | C                | 4       |
| 7               | Nitrogen            | N                | 3       |
| 8               | Oxygen              | O                | 2       |
| 9               | Fluorine            | F                | 1       |
| 10              | Neon                | Ne               | 0       |
| 11              | Sodium              | Na (Natrium)     | 1       |
| 12              | Magnesium           | Mg               | 2       |
| 13              | Aluminium           | Al               | 3       |
| 14              | Silicon             | Si               | 4       |
| 15              | Phosphorus          | P                | 3       |
| 16              | Sulphur             | S                | 2       |
| 17              | Chlorine            | Cl               | 1       |
| 18              | Argon               | Ar               | 0       |
| 19              | Potassium           | K (Kalium)       | 1       |
| 20              | Calcium             | Ca               | 2       |
|                 |                     |                  |         |
| 26              | Iron                | Fe (Ferrum)      | 2       |
| 29              | Copper              | Cu (Cuprum)      | 2       |
| 30              | Zinc                | Zn               | 2       |
| 80              | Mercury             | Hg (Hydrargyrum) | 2       |
| 82              | Lead                | Pb (Plumbum)     | 2       |
|                 |                     |                  |         |
| <b>Radicals</b> |                     |                  |         |
|                 | Sulphate            | SO <sub>4</sub>  | 2       |
|                 | Carbonate           | CO <sub>3</sub>  | 2       |
|                 | Phosphate           | PO <sub>4</sub>  | 3       |
|                 | Nitrate             | NO <sub>3</sub>  | 1       |
|                 | Hydroxide           | OH               | 1       |
|                 | Hydrogen Carbonate  | HCO <sub>3</sub> | 1       |
|                 | Nitrite             | NO <sub>2</sub>  | 1       |
|                 |                     |                  |         |

| Ions |          |          |   |
|------|----------|----------|---|
|      | Sulphide | $S^{2-}$ | 2 |
|      | Oxide    | $O^{2-}$ | 2 |
|      | Chloride | $Cl^{-}$ | 1 |
|      |          |          |   |