
WORK SHEET
SUBJECT- Science
Chapter 1- The Language of Chemistry

CLASS- VII

Date- 8.7.14

Q.1 Write the symbols of the following elements

- | | |
|--------------|---------------|
| 1) Zinc | 6) Phosphorus |
| 2) Manganese | 7) Nickel |
| 3) Potassium | 8) Calcium |
| 4) Calcium | 9) Lead |
| 5) Gold | 10) Neon |

Q.2 Find the valencies of the underlined element

- 1) BaCl₂
- 2) FeO
- 3) Fe₂O₃
- 4) CaCO₃
- 5) Na₂O
- 6) Al(OH)₃
- 7) SO₂
- 8) NH₃

Q.3 Define.

- | | |
|------------|-------------------------------|
| 1) Valency | 4) Molecule |
| 2) Formula | 5) Compound radical |
| 3) Symbol | 6) Balanced chemical equation |

Q.4 Write the formula of the following compounds

- | | |
|----------------------|------------------------|
| 1) Nitric acid | 5) Potassium carbonate |
| 2) Ammonia | 6) Calcium dioxide |
| 3) Sodium hydroxide | 7) Carbon monoxide |
| 4) Hydrogen chloride | 8) Sulphuric acid |

Q.5 Give examples each of the following.

- | | |
|--------------------|------------------|
| 1) Binary compound | 5) Trivalent |
| 2) Monovalent | 6) Triatomic gas |
| 3) Divalent | 7) Noble gas |
| 4) Diatomic gas | |

Q.6 Write the valency/valencies of the following

- | | |
|---------------|------------|
| 1) Hydrogen | 5) Iron |
| 2) Carbon | 6) Copper |
| 3) Nitrogen | 7) Sulphur |
| 4) Phosphorus | 8) Lead |

Q.7 Balance the chemical equation

- 1) $\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$
- 2) $\text{N}_2 + \text{O}_2 \rightarrow \text{NO}$
- 3) $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- 4) $\text{NO}_2 + \text{H}_2\text{O} \rightarrow \text{NO} + \text{HNO}_3$

Q.8 Match the following.

- | A | B |
|--------------|-------------|
| 1) Potassium | a) Aurum |
| 2) Iron | b) Stannum |
| 3) Silver | c) Ferrum |
| 4) Gold | d) Argentum |
| 5) Tin | e) Kalium |

