

(1)

1. the smallest particle of an element
2. variable
3. ~~water~~ atomicity
4. valency
5. Silicon
6. 3

(10)

(1) Atoms

An atom is the smallest particle of an element that exhibits all the properties of that element.

(2) Molecule

A molecule is the smallest particle of a pure substance which has independent existence.

3. Valency

Valency is the combining capacity of an element or of a radical.

4. Radicles

A radical is an atom of an element or a group of atoms of different elements that behaves as a single unit with a positive or negative charge on it."

111

- 1) Mg, valency 2
- 2) CO_3 , valency 2
- 3) NH_4 , valency 1

112

- 1) Sulphate
- 2) Hydroxide
- 3) Bisulphite
- 4) Dichromate
- 5) Phosphate

113

- (a) Sodium, Chlorine
- (b) Hydrogen, Sulphur, Oxygen
- (c) Sodium, Oxygen, Hydrogen
- (d) Nitrogen, Hydrogen

114

- (a) Ammonium sulphate
- (b) Iron sulphide
- (c) Ammonium Hydroxide

111.

- (a) Na_2SO_4
- (b) MgO
- (c) $\text{Ca}(\text{OH})_2$
- (d) HCl
- (e) H_2SO_4