Q.1.) What is matter? What is element and atom? (3)

Q.2.) What is valency? What is the reason for variable valency? (1+1=2)

Q.3) What is ion? What are its type? (1+1=2).

Q.4.) Define :- (1+1+1=3)

(i) Radical (ii) Balanced equation.

(iii) Chemical equation.

Q.5) Write the formulas of the following :- (6)

(i) Potassium chloride (iv) Calcium hydroxicle

(ii) Calcium sulphite (v) Copper [I] oxicle.

(iii) Copper sulphide (vi) Zinc Nitrate

Q.6.) Balance the following equations :- (2+2+2=6)

(i) $CaO + HCl \rightarrow CaCl_2 + H_2O$

(ii) $Fe_2O_3 + H_2 \rightarrow Fe + H_2O$

(iii) $CuO + NH_3 \rightarrow Cu + H_2O + N_2$

Q.7.) Fill in the blanks :- [1+2=3)

(i) The formula of silver [I] chloride is _____ [AgCl / $AgCl_2$]

(ii) Atom contains _____ [neutron / nucleus], with positively charged _____ [electrons / protons].

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