

Naming Compounds : Quiz-110

1)a) What is the usual charge on a metallic ion? (+ or -)

b) Give the charge on the sulfide ion.

2) Name the following common ions.

a) Cu^{2+}

b) CN^-

c) Sn^{4+}

d) SO_4^{2-}

e) F^-

f) NH_4^+

2) Give the formula for the following ions.

a) permanganate

b) chromium(II)

c) chromate

d) lithium

e) dichromate

f) nitride

3) Give the formula for the following ionic compounds.

a) calcium bromide

b) barium hydroxide

c) zinc oxide

d) nickel (III) sulfide

e) sodium carbonate

f) magnesium nitride

g) potassium nitrate

h) lead (IV) oxide

4) Name these ionic compounds.

a) Fe_2O_3

b) HCN

c) $\text{Ca}_3(\text{PO}_4)_2$

d) MgSO_4

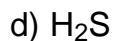
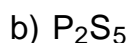
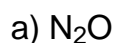
e) SrO

f) PbCl_2

g) Ag_2S

h) CrSO_3

5) Name the following covalent compounds.



6) Give the formula for the following covalent compounds.

a) carbon tetrabromide

b) hydrogen monofluoride

c) silicon dioxide

d) triphosphorus pentanitride

Answers: 1)a) +, b) -2, 2)a) copper(II), b) cyanide, c) tin(IV), d) sulfate, e) fluoride, f) ammonium, 3)a) MnO_4^- , b) Cr^{2+} , c) CrO_4^{2-} , d) Li^+ , e) $\text{Cr}_2\text{O}_7^{2-}$, f) N^{3-} , 3)a) CaBr_2 , b) $\text{Ba}(\text{OH})_2$, c) ZnO , d) Ni_2S_3 , e) Na_2CO_3 , f) Mg_3N_2 , g) KNO_3 , h) PbO_2 , 4)a) iron (III) oxide, b) hydrogen cyanide, c) calcium phosphate, d) magnesium sulfate, e) strontium oxide, f) lead (II) chloride, g) silver sulfide, h) chromium (II) sulfite, 5)a) dinitrogen monoxide, b) diphosphorous pentasulfide, c) sulfur trioxide, d) dihydrogen monosulfide, 6)a) CBr_4 , b) HF , c) SO_2 , d) P_3N_5 .