

Naming Binary Ions

Chemistry

Name

1 Write the formula of the compound that will be formed between these elements:

- (a) Ba and S (d) Mg and N
(b) Rb and O (e) Al and P
(c) Li and Br (f) H and Cl

2 Write the formula of the compound that will be formed between these elements:

- (a) Al and S (d) Sr and O
(b) H and F (e) Cs and P
(c) Na and I (f) K and Cl

3 Write formulas for each of the following binary compounds, all of which are composed of a metal and nonmetal:

- (a) potassium nitride (e) calcium nitride
(b) aluminum sulfide (f) cesium bromide
(c) iron(II) oxide (g) copper(II) chloride
(d) rubidium phosphide (h) sodium selenide

4 Name each of the following binary compounds, all of which are composed of a metal and a nonmetal:

- (a) BaO (e) Al_2O_3
(b) K_2S (f) CaBr_2
(c) CaCl_2 (g) SrI_2
(d) Cs_2S (h) Mg_3N_2