

10. Write formulas for compounds formed from these pairs of ions.

- a. Ba^{2+} , S^{2-}
- b. Li^+ , O^{2-}
- c. Ca^{2+} , N^{3-}
- d. Cu^{2+} , I^-

11. Write formulas for the following ionic compounds.

- a. sodium iodide
- b. stannous chloride (tin (II) chloride)
- c. potassium sulfide
- d. calcium iodide

12. Name the following binary ionic compounds:

- a. ZnS
- b. KCl
- c. BaO
- d. CuBr_2

13. Write the names for these binary ionic compounds.

- a. CaO
- b. Cu_2Se
- c. FeS
- d. AlF_3

14. Write formulas for compounds formed from these pairs of ions.

- a. NH_4^+ , SO_3^{2-}
- b. calcium ion, phosphate ion

15. Write formulas for the following compounds:

- a. lithium hydrogen sulfate [**hydrogen sulfate = $(\text{HSO}_4)^{-2}$**]
- b. chromium (III) nitrite

16. Name the following ionic compounds:

- a. CaC_2O_4

- b. KClO
- c. KMnO_4
- d. Li_2SO_3

17. Write the names for these ionic compounds.

- a. $\text{Al}(\text{OH})_3$
- b. NaClO_3
- c. $\text{Sn}_3(\text{PO}_4)_2$
- d. Na_2CrO_4