

Give the chemical name of each ionic compound below.

- 1) $\text{Fe}(\text{NO}_2)_2$ iron(II) nitrite
- 2) $(\text{NH}_4)_2\text{SO}_4$ ammonium sulfate
- 3) CsCl cesium chloride
- 4) TiSO_3 titanium(II) sulfite
- 5) BaCO_3 barium carbonate

Give the chemical name of each binary molecular compound below.

- 6) P_2O_5 diphosphorus pent(a)oxide
- 7) N_2O_3 dinitrogen trioxide
- 8) CCl_4 carbon tetrachloride
- 9) ClF_3 chlorine trifluoride
- 10) SeF_6 selenium hexafluoride

Give the chemical name of each acid below. (If the compound is a binary acid, use the acid name.)

- 11) HClO_3 chloric acid
- 12) H_2SO_3 sulfurous acid
- 13) $\text{HC}_2\text{H}_3\text{O}_2$ acetic acid
- 14) HF hydrofluoric acid
- 15) H_3PO_4 phosphoric acid

Give the chemical formula of each ionic compound below.16) tin(II) hydroxide Sn(OH)_2 17) calcium phosphate $\text{Ca}_3(\text{PO}_4)_2$ 18) copper(I) nitride Cu_3N 19) beryllium cyanide Be(CN)_2 20) copper(II) sulfite CuSO_3 **Give the chemical formula of each binary molecular compound below.**21) carbon tetrafluoride CCl_4 22) dinitrogen pentasulfide N_2S_5 23) disilicon hexabromide Si_2Br_6 24) bromine dioxide BrO_2 25) iodine monochloride ICl **Give the chemical formula of each acid below.**26) perchloric acid HClO_4 27) hydrochloric acid HCl 28) sulfuric acid H_2SO_4 29) nitrous acid HNO_3 30) carbonic acid H_2CO_3