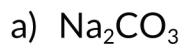




IDENTIFYING IONIC AND COVALENT COMPOUNDS WORKSHEET



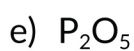
1. Determine whether the compound is ionic or covalent and name it appropriately.





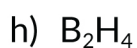














2. Determine whether the compound is ionic or covalent and write its appropriate formula.

a. Dinitrogen Trioxide

b. Nitrogen

c. Methane

d. Phosphorus Trifluoride

e. Vanadium (V) Oxide

f. Silicon Tetrafluoride

g. Silver Phosphate

h. Lithium Acetate

i. Aluminum Hydroxide

IDENTIFYING IONIC AND COVALENT COMPOUNDS WORKSHEET

Answers

1. Determine whether the compound is ionic or covalent and name it appropriately.

- a) Na_2CO_3 Ionic; Sodium Carbonate
- b) NH_3 Covalent; Ammonia
- c) CO Covalent; Carbon Monoxide
- d) P_4 Covalent; Phosphorus
- e) P_2O_5 Covalent; Diphosphorus Pentoxide
- f) FeSO_4 Ionic; Iron (II) Sulfate
- g) CoBr_2 Ionic; Cobalt (II) Bromide
- h) B_2H_4 Covalent; Diboron Tetrahydride
- i) SiO_2 Covalent; Silicon Dioxide

2. Determine whether the compound is ionic or covalent and write its appropriate formula.

- a. Dinitrogen Trioxide Covalent; N_2O_3
- b. Nitrogen Covalent; N_2
- c. Methane Covalent; CH_4
- d. Phosphorus Trifluoride Covalent; PF_3
- e. Vanadium (V) Oxide Ionic; V_2O_5
- f. Silicon Tetrafluoride Covalent; SiF_4
- g. Silver Phosphate Ionic; Ag_3PO_4
- h. Lithium Acetate Ionic; $\text{Li}(\text{C}_2\text{H}_3\text{O}_2)$
- i. Aluminum Hydroxide Ionic; $\text{Al}(\text{OH})_3$