

Chemical Compounds and Formulas

Goal • Increase your understanding of the names and formulas of binary and polyatomic compounds.

What to Do

Answer each question in the space provided.

1. Identify each compound as ionic or molecular.

- (a) NaNO_3 _____
- (b) MgSO_4 _____
- (c) K_2CO_3 _____
- (d) NaCl _____
- (e) MgBr_2 _____
- (f) CO_2 _____
- (g) H_2O _____
- (h) CH_4 _____

2. Name the following compounds.

- (a) MgF_2 _____
- (b) Na_2CO_3 _____
- (c) K_2CO_3 _____
- (d) NaCl _____
- (e) MgBr_2 _____
- (f) KF _____
- (g) BeF_2 _____
- (h) AlO_3 _____

3. Write the chemical formula for each compound.

- (a) lead(II) sulfate _____
- (b) ferric oxide _____
- (c) aluminum sulfate _____
- (d) potassium iodide _____
- (e) copper(II) sulfate _____
- (f) carbon dioxide _____
- (g) barium nitrate _____