

1.6.5.1: More Practice Naming

Exercise 1.6.5.1.1

Name the compound below. Hint: Is it ionic or covalent? Is the cation predictable or variable?

CuCN

Hint

It is ionic. It is variable, so you must determine the charge needed to make a total of zero charge. Roman numeral is needed.

Answer

copper (I) cyanide

Exercise 1.6.5.1.1

Name the compound below. Hint: Is it ionic or covalent? Is the cation predictable or variable?

N₂O₃

Hint

It is covalent. There is no cation. Use prefixes to tell how many of each element are in the formula.

Answer

dinitrogen trioxide

Exercise 1.6.5.1.1

Name the compound below. Hint: Is it ionic or covalent? Is the cation predictable or variable?

Sn₃(PO₄)₂

Hint

It is ionic. It is variable, so you must determine the charge needed to make a total of zero charge. Roman numeral is needed.

Answer

tin (II) phosphate

Exercise 1.6.5.1.1

Name the compound below. Hint: Is it ionic or covalent? Is the cation predictable or variable?

SO₃

Hint

It is covalent. There is no cation. Use prefixes to tell how many of each element are in the formula.

Answer

sulfur trioxide

Exercise 1.6.5.1.1

Name the compound below. Hint: Is it ionic or covalent? Is the cation predictable or variable?

**Hint**

It is ionic. It is predictable, so no Roman numeral is needed. Just name cation and name anion.

Answer

barium hydroxide

Exercise 1.6.5.1.1

Write the formula of the compound below. Hint: is it ionic or covalent?

cadmium bromide

Hint

It is ionic. Draw ions then put them together to make zero charge.

Answer**Exercise 1.6.5.1.1**

Write the formula of the compound below. Hint: is it ionic or covalent?

nitrogen dioxide

Hint

It is covalent. Use prefixes to figure out formula.

Answer**Exercise 1.6.5.1.1**

Write the formula of the compound below. Hint: is it ionic or covalent?

sulfur hexafluoride

Hint

It is covalent. Use prefixes to figure out formula.

Answer

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