

### 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?

N<sub>2</sub>O<sub>3</sub>

##### 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?

Sn<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>

##### 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?

SO<sub>3</sub>

##### 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?

$\text{Ba}(\text{OH})_2$

**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**

$\text{CdBr}_2$

**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**

$\text{NO}_2$

**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**

$\text{SF}_6$

1.6.5.1: More Practice Naming is shared under a [not declared](#) license and was authored, remixed, and/or curated by LibreTexts.