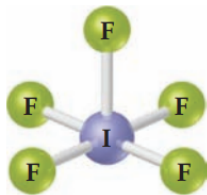


Exercise 2.6

Write the chemical formula for the following compound. Is the compound ionic or molecular?
Name the compound. [Sections 2.6 and 2.8]



Solution

Observe that there are two nonmetal atoms (iodine and fluorine) in this molecule, making it a binary molecular compound. The way to name it is by putting first the name of the element furthest to the left on the periodic table, using “-ide” for the suffix of the second element, and using Greek prefixes to indicate the number of atoms present (“mono-” is never used with the first element).

iodine pentafluoride

