

# Molecules

## Try It Out

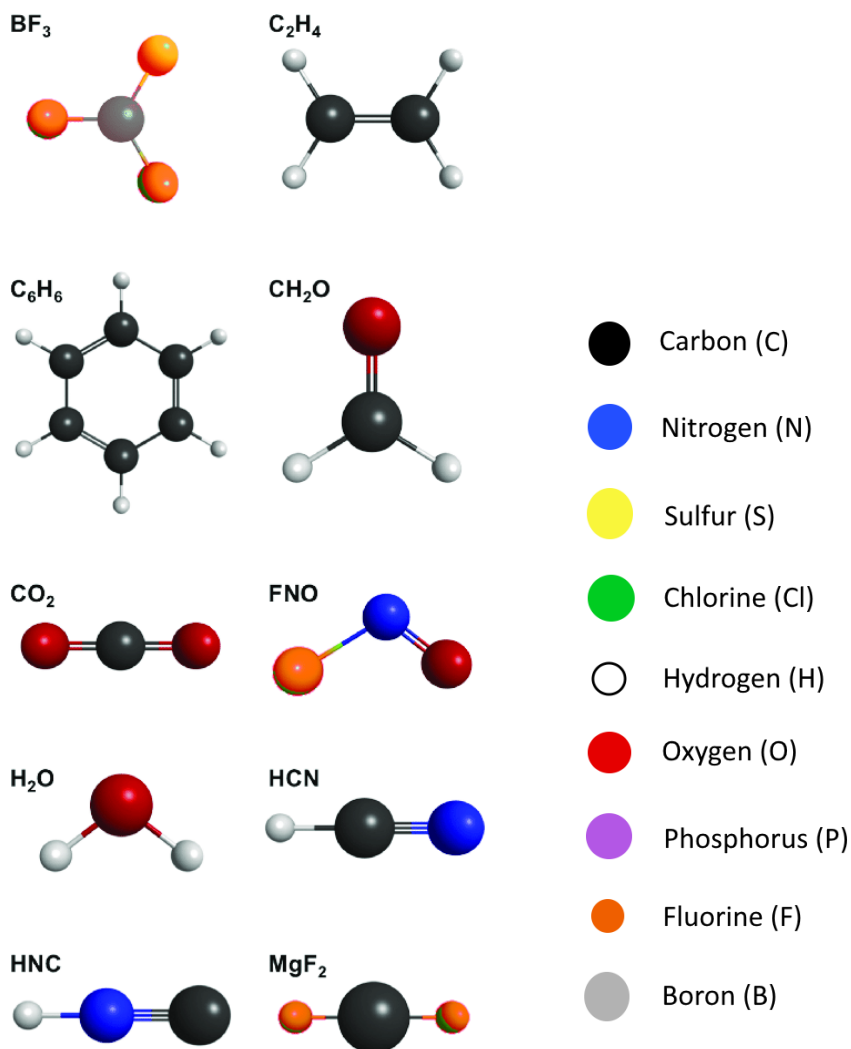
Build a model of a molecule using the parts provided. The image below shows some examples to try.

### What's going on?

A **molecule** is a tiny particle of a substance. It is a group of atoms held together by chemical forces, or bonds. Here, the ball shapes represent different atoms, and the connecting rods represent the bonds between them. The longer rods can be bent and used to form *double* bonds.

### What's the big deal?

Molecules make up many of the substances around us. For example, water molecules are made of one Oxygen atom and two Hydrogen atoms (H<sub>2</sub>O). Carbon Dioxide is one Carbon and two Oxygens (CO<sub>2</sub>). Molecules can be relatively simple, like these, or *super* complex. Stay tuned for an example of that next month!



Examples of molecules (Image: researchgate.net)

## Wonder While You Walk...

What's the simplest molecule? What do you think is the most complex?



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