

## Molecules and Compounds

1. What is a molecule?

A molecule is made up of two or more atoms. These atoms can be the same or different elements.

$N_2$ , for example, would be a molecule.

2. What is a compound?

A compound is made up of two or more atoms of different elements.

$LiCl$ , for example, would be considered a compound (as well as a molecule).

3. Molecules and compounds are held together by **bonds** between atoms.

4. Identify the following as a compound, a molecule or both.

a.  $KF$

both

b.  $HNO_3$

both

c.  $CH_3OH$

both

d.  $O_2$

molecule

e.  $\text{H}_2\text{O}$   
both

f.  $\text{N}_3^-$   
molecule