Chemical Compound

A chemical compound is a chemical substance consisting of two or more different chemically

bonded chemical elements, with a fixed ratio determining the composition.

The ratio of each element is usually expressed by chemical formula.

For example, water (H2O) is a compound consisting of two hydrongen atoms bonded to an oxygen

atom.

the atom within a compound can be held together by a variety of interaction, ranging from

covalents bonds to electrostatic forces in ionic bonds.

A continuum of bond polarities exist between the purely covalent bond (as in H2) and ionic bonds.

for example H2O is held by polar cavalent bonds.

Sodium chloride is an example of an ionic compound.