

## Lesson 3: Sorting Substances

### Introduction:

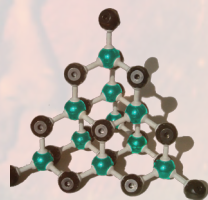
We often *classify* substances so that we only need to study a *few* members of a *group* rather than *all* the *individual* substances.

### Aim:

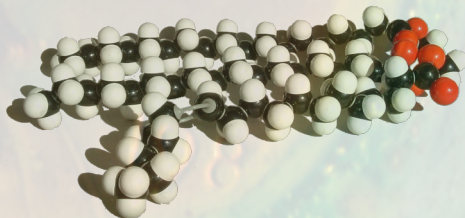
You are going to learn how to sort substances into different groups like *Elements*, *Compounds*, *Molecules* & *Networks*.

### Information:

An *Element* is a substance made from *one type* of atom only.



A *Compound* is a substance made from *two or more types* of atoms joined together.



In *Molecules* a fixed number of atoms are joined together



*Networks* have vast numbers of atoms (too many to count) joined together



### Activity 1:

*Collect* a copy of 'Substance Card 1 - Networks'.

*Sort out* which of the substances are *Elements* and which are *Compounds*.

*Identify* which type(s) of atom each substance is made from.

### Record:

*Draw* a table to record your results

<i>Name of Element</i>	<i>Type of Atom</i>	<i>Name of Compound</i>	<i>Types of Atom</i>
			<i>and</i>

### Activity 2:

*Collect* a copy of 'Substance Card 2 - Small Molecules'.

*Sort out* which of the substances are *Elements* and which are *Compounds*.

*Identify* which type(s) of atom each substance is made from.

