



1) Elements

- Elements are pure substance which are composed of only one type of atom.
- There are 118 elements.
- Represented by symbols.
- Can't be broken down by chemical reaction.
- Eg:- Na (Sodium)

Compounds

- When 2/more elements chemically combine each other with a definite ratio of by mass.
- Compounds are endless.
- Represented by molecular formula.
- Can be broken down by chemical reaction.
- Eg:- H_2O (Water).

2) Explain, why we say H_2O is a compound but H_2 & O_2 as elements?

Ans) H_2O (water) is compound because it is made up of 2 elements that is H_2 & O_2 .

→ H_2 & O_2 are considered as elements because they are made up of one atom.