

HOMEWORK

→ Give five major differences between elements & compound

Elements

> Elements are pure substances which are composed only on type of atom.

> There are 118 ~~sub~~ elements.

> Represented by symbols

> Can't be broken down by chemical reaction.

> Ex: Na (Sodium)

Compounds

> When 2 or more elements chemically combine each other with a definite ratio by mass.

> Compounds are endless.

> Represented by molecular formula

> Can be broken down by chemical reaction.

> Ex: H_2O (water)

Q Explain, why we say H_2O is a compound but H_2 & O_2 are elements?

> 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.