

Ans^o 1

It can't be broken into more simpler form.

→ They occur in three states of Matter.

Solid → Fe, S, Zn, C, ...

Liquid → Br₂, Hg, ...

Gas → N₂, O

→ They remain in atomic form or molecular form.

(Fe - Atomic, Ar - free atomic, O₂, P₄, S₈ - Molecular form)

→ Depending up their Metallic character they can be categorised into metals, non-metals and metalloids.

→ On Radio-activity nature, they can be Normal and Radioactive Elements.

Q. Why Carbon Dioxide is a compound where as Carbon is an element?

Ans: Compounds are formed when two or more elements combine chemically with a definite ratio by mass. Carbon Dioxide (CO_2) is a combination of Carbon (C) and Oxygen (O_2).



combustible supports combustion Extinguishes fire

∴ Carbon and oxygen are ~~comb~~ elements which combine in the ratio 3:8 to form CO_2 to form which is a compound.