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Is Matter Around us Pure?

① Mention Five Characteristics of Elements?

- Ans: *
- * Elements are made up of same atoms
 - * Elements cannot be broken down into simpler substances.
 - * Elements cannot be built-up from simpler substances by any physical or chemical method.
 - * Atoms of different elements differ in size, mass and composition.
 - * Elements are found to exist in all three states of matter.

② Why carbon dioxide is compound where as carbon is an element?

Ans: - Carbon (C) is an element and carbon dioxide (CO₂) consists of carbon and oxygen which are both independent elements combined together in a fixed ratio to form CO₂ which is therefore a compound.