

1. Mention 5 characteristics of Element.

- 1) An element cannot be broken into its components by chemical methods.
- 2) Properties of an element are similar to its constituent atoms.  
An element is made up similar type of atoms.

2. Why  $\text{CO}_2$  is a compound whereas Carbon is an element?

$\text{CO}_2$  is a compound because it is a mixture or combination of carbon 'C' and 'O<sub>2</sub>' Oxygen but Carbon is an element because it cannot be further broken down and it is made up of only carbon atoms.