

Questions

- (a) List the characteristics of pure substances.
 (b) Differentiate between (i) elements and compounds, (ii) homogeneous and heterogeneous mixtures.

Answers

- (a) Ans -
- Pure substances are uniformly composed or it is a homogeneous mixture.
 - They have fixed melting and boiling point.
 - Pure substances have characteristic colour, odour and taste.

(b) Ans -

Elements

Compounds

- An element is defined as a pure substance made up of only one kind of atoms that cannot be converted into simpler anything.

- Compounds are pure substances formed by the chemical combination of two or more elements.

Homogeneous Mixture

- It is the mixture, in which the components are uniformly distributed through its volume and cannot be seen separately.

Heterogeneous Mixture

- It is the mixture, in which the components are not uniformly distributed throughout its volume and can be seen separately.