

Q) List the characteristics of pure substances.

Ans- Characteristics of pure substances:

- They have uniform composition throughout.
- (They are homogeneous)
- They have ~~uniform~~ a definite set of physical and chemical properties.
- They have fixed boiling and melting point.
- They have characteristic colour, odour and taste.
- They cannot be broken into simpler substances.

b) Differentiate: i) Elements and compounds,
 ii) homogeneous and heterogeneous mixtures.

Ans- i) Elements-

Elements are made up of only one kind of atoms.
 Ex- Oxygen.

Compounds-

Compounds are made up of only one kind of molecule.
 Ex- Water.

(ii) Homogeneous Mixture -

Homogeneous mixtures are uniformly mixed composition. Ex = tea

Heterogeneous Mixtures -

Heterogeneous mixtures are non-uniformly mixed composition. Ex - wood.