

26.08.24

Good morning to all students!

Q:-1

Ans:-

Is food that we eat a mixture?

Yes, Food that we eat is a mixture of carbohydrates, proteins, fats, minerals and vitamin.

Q:-2

Name two methods by which solid-solid mixture can be separated?

- Ans:- 1. Winnowing  
2. Sublimation

Q:-3

How can you separate Iron metal from non magnetic impurities?

Ans:-

Magnetic separation

Q:-4

How is distillation more advantageous than evaporation?

Ans:-

The advantage of distillation is that both components of solid and liquid mixture are obtained, whereas in evaporation only solid is obtained.

Q:-5

What are characteristic properties of a pure substance? Why do we need them?

Ans:-

The characteristic properties of a pure substance are:-

1.

They have a definite composition and definite set of properties like boiling point, melting point, density etc.

2. They are all homogenous i.e. their composition is uniform throughout the bulk.

We need pure substances to:-

1. Prepare medicine
2. Maintain good health of human.

Q:-6 Give two examples for each of the following

Ans:-

- a) Solid + solid mixture
- b) Solid + liquid mixture
- c) Liquid + liquid mixture

Ans:- a) Sand & sugar, Brass

- b) Sand & water, salt in water
- c) oil in water, Alcohol & water

Q:-7 What is chromatography? why is it named so?

Ans:- The process of separating different dissolved constituents of a mixture by their adsorption (particles getting adhered to a surface) on an appropriate material is called chromatography. The word chromatography means colour writing. It is named so because it was used to separate mixture containing coloured components only.