

15 Matter Around US pure?

Homework

~~Q1 Explain the difference between pure and impure matter~~

(i) The matter for separating a mixture of Iron filings and sulphur powder, employs the use of carbon disulphide as a solvent followed by the filtration and evaporation. Sulphur dissolves in carbon disulphide, whereas Iron does not. So, the solution will contain undissolved iron in it.

(ii) Filtration is technically defined as the process of separating a suspended solid matter from a liquid, by causing the latter to pass through the pores of membrane called a filter. The most common example is making tea. While preparing tea, a filter or a sieve is used to separate tea leaves from the water.

- 3) we need to separate different components of a mixture to separate the useful components from the non-useful or some harmful components. So we need to separate different components of a mixture to separate ~~different~~ the useful components from the non-useful from some harmful components.
- 4) You can boil the sea water and collect the vapour and cool it down to get the water back into the liquid phase which will be pure.