

## Aayush Senapati

- 1) c) Iron
- 2) d) Black
- 3) b) Distilled water
- 4) b) ~~Disti~~ Distillation.

- 1) Elements are made up of single types of atoms.
- 2) Element and compound are the pure substance
- 3) In a physical the substances are not combined chemically.
- 4) Sedimentation.

- 1) Residue
- 2) Distilled water
- 3) Decantation.
- 4) Fractional Distillation.

- 1) Matter is anything that has mass occupies space and can be felt by our senses.
- 2) The chemical reaction that take place in presence of heat is ~~to~~ Burning
- 3) Two noticeable changes are landslide volcanic Eruption.
- 4) As when the candle burns the exchange of gas is chemical and the melting is physical.
- 5) The main purpose ~~is~~ to get the pure substance.
- 6) 6) the magnet.
- 8) By the method of condensation

10) They are element or compound

3) 1) Atom | Molecule

They are the smallest particle of Element.

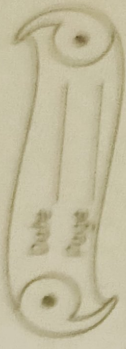
It is the smallest-particle of compound

1)

2)

3)

4)



1) Explain the process of crystallisation with example.

Crystallisation is a technique used to purify substances when a substance is not pure.

Example - Getting butter from cream.

2) The process by which solid is separated from a solution when it is rotated rapidly.  
Ex - Getting different blood.

3) a) Sedimentation is the process by which we get the heavy and unshaken solid particles settle down.

b) It is the process by which the liquid is separated from the sediment.

It is a form of matter formed  
by a combination of two  
or more elements in a  
definite ratio.

Ex - water ( $H_2O$ ), oxygen ( $O_2$ ),  
Nitrogen oxide ( $NO_2$ ).