

Physical and chemical changes

1. Mention two examples where both physical and chemical changes occur simultaneously.

a-) ~~Boiling of eggs~~ cooking food, Burning of candle

2. Give reason:-

a. Freezing of water to ice and evaporation of water are physical changes.

*-> Freezing of water to ice and evaporation of water are ~~physi~~ physical changes because no new substance is formed and only the state of matter is changed.

b) Burning of candle is both a physical and a chemical change.

a-) Melting of wax and vapourisation of wax are physical changes. The burning of candle gives But new substance called carbon dioxide this is ~~the~~ chemical change.

c) Burning of paper is chemical ~~change~~ change.
 Burning of paper is chemical change because a new substance is formed and cannot be reversed.

d) Cutting of cloth piece is a physical change, though it cannot be reversed.

→ 1) Cutting of a cloth piece is physical change though it is not reversible because no new substance is formed, so it is a physical change though irreversible.