

# Science

([www.tiwariacademy.net](http://www.tiwariacademy.net))

(Chapter 2)(Is Matter Around Us Pure)(Intext Questions)

Class - 9

Page 24 - II

## Question 1:

Classify the following as chemical or physical changes:

- cutting of trees,
- melting of butter in a pan,
- rusting of almirah,
- boiling of water to form steam,
- passing of electric current, through water and the water breaking down into hydrogen and oxygen gases,
- dissolving common salt in water,
- making a fruit salad with raw fruits, and
- burning of paper and wood.

## Answer 1:

- |   |                   |
|---|-------------------|
| ✓ Cutting of trees  | → Physical change |
| ✓ Melting of butter in a pan  | → Physical change |
| ✓ Rusting of almirah  | → Chemical change |
| ✓ Boiling of water to form steam  | → Physical change |
| ✓ Passing of electric current through water, and water breaking down into hydrogen and oxygen gas | → Chemical change |
| ✓ Dissolving common salt in water   | → Physical change |
| ✓ Making a fruit salad with raw fruits  | → Physical change |
| ✓ Burning of paper and wood   | → Chemical change |

## Question 2:

Try segregating the things around you as pure substances or mixtures.

## Answer 2:

**Pure substance:** Water, salt, sugar etc.

**Mixture:** Salt water, soil, wood, air, cold drink, rubber, sponge, fog, milk, butter, clothes, food.

[www.tiwariacademy.com](http://www.tiwariacademy.com)

A Free web support in education