

Class 6
Chapter 6
Changes around Us

Keywords

- 1) Changes – The alterations that happens to something in voluntary or involuntary means.
- 2) Contraction – The process of reducing the size of something.
- 3) Evaporation – The process of the conversion of liquid into its vapour.
- 4) Expansion – The process of increasing in size of something naturally or forcefully.
- 5) Melting – the process of the conversion of some solid substances into its liquid gaseous form.

Exercise

- 1) To walk through a waterlogged area, you usually shorten the length of your dress by folding it. Can this change be reversed?
Ans: Yes, it can be reversed by unfolding the dress.
- 2) You accidentally dropped your favorite toy and broke it. This is a change you did not want. Can this change be reversed?
Ans: No, this change (breaking of toy) cannot be reversed.
- 3) A drawing sheet changes when you draw a picture on it. Can you reverse this change?
Ans: No, we cannot get fresh drawing sheet once a picture is drawn on it with paint/ oil or water. However, we can reverse the change, if soft pencil is used to draw the picture.
- 4) Give examples to explain the difference between changes that can or cannot be reversed.
Example of reversible changes
 - a) Melting of ice into water. By freezing the water can obtain ice again.
 - b) Folding a paper, by unfolding it, we can undo the change.
 - c) Hot milk to cold milk by boiling milk , we can make it warn.Example of irreversible change
 - a) Burning candle
 - b) Bursting of crackers
 - c) Cutting of trees
- 5) A thick coating of a paste of Plaster of Paris (POP) is applied over the bandage on a fractured bone. It becomes hard on drying to keep the fractured bone immobilised. Can the change in POP be reversed?
Ans: No, the change in POP cannot be reversed since it is a chemical change.
- 6) . A bag of cement lying in the open gets wet due to rain during the night. The next day the sun shines brightly. Do you think the changes, which have occurred in the cement, could be reversed?
Ans. No, these are irreversible chemical changes.