



CLASS NOTES-ANSWERS

1. To walk through a waterlogged area, you usually shorten the length of your dress by folding it. Can this change be reversed?

Answer: Yes, it can be reversed by unfolding the dress.

2. You accidentally dropped your favourite toy and broke it. This is a change you did not want. Can this change be reversed?

Answer: No, this change cannot be reversed.

3. Some changes are listed in the following table. For each change, write in the blank column, whether the change can be reversed or not.

| Sl.No: | Change | Can be reversed [Yes/No] |
|--------|-------------------------------|-----------------------------|
| 1 | The sawing of a piece of wood | |
| 2 | The melting of ice candy | |
| 3 | Dissolving sugar in water | |
| 4 | The cooking of food | |
| 5 | The ripening of a mango | |
| 6 | Souring of milk | |

Answer:

| S.No: | Change | Can be reversed [Yes/No] |
|-------|--------|-----------------------------|
| | | |



| | | |
|---|-------------------------------|-----|
| 1 | The sawing of a piece of wood | No |
| 2 | The melting of ice candy | Yes |
| 3 | Dissolving sugar in water | Yes |
| 4 | The cooking of food | No |
| 5 | The ripening of a mango | No |
| 6 | Souring of milk | No |

4. A drawing sheet changes when you draw a picture on it. Can you reverse this change?

Answer: No, we cannot get fresh drawing sheet once a picture is drawn on it with paint or colours. However, we can reverse the change, if soft pencil is used to draw the picture.

5. Give examples to explain the differences between the changes that can or cannot be reversed.

Answer:

| Reversible changes | Irreversible changes |
|---|---------------------------------|
| 1. Inflating a balloon | 1. Burning of paper or wood |
| 2. Melting of ice | 2. Making of curd from milk |
| 3. Evaporation | 3. Rusting of iron |
| 4. Collapsing of mimosa [touch me not] leaves on touching | 4. Growth of plants and animals |



6. 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?

Answer: No, the change in POP cannot be reversed since it is a chemical change.

7. A bag of cement lying in the open gets wet due to rain during the night.

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next day the sun shines brightly. Do you think the changes, which have occurred in the cement, could be reversed?

Answer: No, these are irreversible chemical changes.

