INDIAN SCHOOL AL WADI AL KABIR		
CLASS: VI	**DEPARTMENT: SCIENCE** **2021 - 2022**	**DATE: 23.01.22**
TEXTBOOK Q & A	**TOPIC: CHANGES AROUND US**	**NOTE: A4 FILE FORMAT**
NAME OF THE STUDENT:	**CLASS & SEC:**	**ROLL NO.**

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, this change 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, it cannot be reversed. So, it is an irreversible change.
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.

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?

   Ans: This change can be reversed if a pencil is used to draw the picture. If a pen, paint, oil /water colours are used to draw the picture, change cannot be reversed.
5. Give examples to explain the difference between changes that can or cannot be reversed.

   Ans: Examples of reversible changes

   i) Melting of ice into water- By freezing the water, we can obtain ice again.

ii) Folding a paper- By unfolding it, we can reverse the change.

iii) Hot milk to cold milk- By boiling the milk we can make it warm again.

Examples of irreversible changes

i) Conversion of milk into curd

ii) Ripening of fruit

iii) Cutting down trees

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 immobilized. Can the change in POP be reversed?

Ans: When Plaster of Paris and water are mixed together, a new substance is formed and the change cannot be reversed.

7. 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: Due to water, the cement hardens, its composition changes and the change cannot be reversed.

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