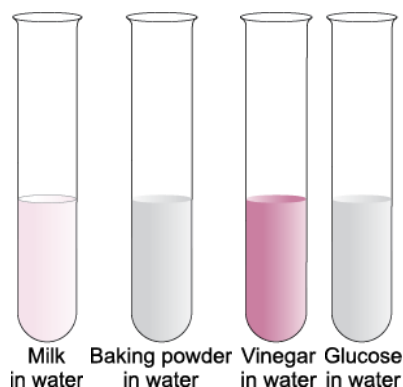


Short Answer Questions

Q.1. Look at the figures given below which shows solutions taken in test tubes A, B, C and D. What colour is expected when a piece of red litmus paper is dropped in each test tube? Nature of the solutions is given in the table for your help.



Test tube	Nature of solution	Change in colour of red litmus
A	Neutral	
B	Basic	
C	Acidic	
D	Neutral	

[NCERT Exemplar]

Ans.

Test tube	Nature of solution	Change in colour of red litmus
A	Neutral	No change
B	Basic	Turns blue
C	Acidic	No change
D	Neutral	No change

Q.2. While playing in a park, a child was stung by a wasp. Some elders suggested applying paste of baking soda and others lemon juice as remedy. Which remedy do you think is appropriate and why?

[NCERT Exemplar]

Ans. Wasp sting inject a liquid in the skin which is acidic in nature. Hence, baking soda is the appropriate remedy, as it is basic in nature and neutralises effect of the acid.

Q.3. Write two uses of the following.

(a) Calcium hydroxide

(b) Sodium hydroxide

Ans. (a) Calcium hydroxide

1. It is used to make chalks.
2. It is used in preparation of insecticides and fungicides.

(b) Sodium hydroxide

1. It is used in manufacturing of soaps and detergents.
2. It is used to manufacture paper in wood industry.

Q.4. Why is carbonic acid added to soft drinks?

Ans. Carbonic acid is added to soft drinks to make it fizzy. When the bottle is opened, the pressure decreases and the carbonic acid changes into carbon dioxide and water making it fizzy.

Q.5. Why should we take great care while handling acids and bases?

Ans. We should take great care while handling acids and bases because these are corrosive in nature, irritating and harmful to skin.

Q.6. What is acid rain?

Ans. The rain becomes acidic due to dissolution of carbon dioxide, sulphur dioxide and nitrogen dioxide in rain drops to form carbonic acid, sulfuric acid and nitric acid respectively.