

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Physical and Chemical Change

Q1. Why souring of milk is a chemical change?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q2. What is rust?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q3. What is blue vitriol?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q4. Name the two methods by which rusting of iron can be prevented.

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q5. What happens when baking soda is treated with vinegar?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q6. Which technique is better for obtaining sugar from sugar solution?

Ans. \_\_\_\_\_  
\_\_\_\_\_

## Physical and Chemical Change

Q1. Why souring of milk is a chemical change?

Ans. Souring of milk is a chemical change because it results in formation of new substance.

Q2. What is rust?

Ans. If a piece of iron is left in the open for some time, it acquires a film of brownish substance. This substance is called rust.

Q3. What is blue vitriol?

Ans. Crystals of copper sulphate pentahydrate are blue in colour. So, it is commonly known as blue vitriol.

Q4. Name the two methods by which rusting of iron can be prevented.

Ans. Two methods by which rusting of iron can be prevented are by painting or greasing and by galvanizing.

Q5. What happens when baking soda is treated with vinegar?

Ans. Vinegar (Acetic acid) + Baking soda (Sodium hydrogencarbonate) → Carbon dioxide + other substances

Q6. Which technique is better for obtaining sugar from sugar solution?

Ans. Crystallization is considered as a better technique for obtaining sugar from sugar solution.