

Bharatiya Vidya Bhavans, V.M. Public School

Ch 9 – Physical and Chemical Changes

I Fill in the blanks.

- a) The process of depositing a thin layer of zinc on iron objects is called _____
- b) _____ is a metal which burns with a white dazzling flame.
- c) The two methods by which rusting of iron can be prevented are _____ and _____
- d) Inflating a balloon is a _____ change.
- e) When _____ gas is passed through lime water it turns milky.
- f) During a chemical change _____ is either evolved or absorbed.

II Answer the following questions.

Q1 What is crystallisation? Write its two applications.

Q2 What is displacement reaction? Explain with an example.

Q3 Explain with an activity that iron nail rusts only in the presence of air and water.

Q4 When a candle burns both physical and chemical changes occurs . Explain

III Choose the correct option.

1 Which of these is not a chemical change?

- a) formation of curd
- b) ripening of banana
- c) sublimation of naphthalene
- d) corrosion of photo frame

2 Which of these cannot prevent rusting of iron?

- a) Galvanisation
- b) Alloying
- c) Greasing
- d) Dipping in water

3 In a combination reaction how many products are formed?

- a) one only
- b) two only
- c) one or two only
- d) number cannot be specified.

4 In which city rusting is a greater problem?

- a) Delhi
- b) Mumbai
- c) Shimla
- d) Chandigarh

5 When a soda water is opened which gas is released?

- a) Carbon dioxide
- b) carbon monoxide
- c) oxygen
- d) nitrogen.

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