

Name :  
Class: VIIISubject :Bio and Chem  
Date :**Answer these questions:**

- 1 Who discovered the fermentation?
- 2 In which form microorganisms are used in vaccines?
- 3 What is a polymer? Name a natural polymer.
- 4 Name the gas produced, when metals reacts with acids.
- 5 Which metal is stored in kerosene?
- 6 How does the increase in height take place?
- 7 Name the cells having branching structure.
- 8 Define corrosion. What happens when a copper vessel is exposed to moist air for long?
- 9 Why nitrogen fixation is necessary?
- 10 **Complete the following chemical reactions.**
  1.  $\text{Fe} + \text{H}_2\text{O} \longrightarrow \text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$  (Rust)
  2.  $\text{CuSO}_4$  (solution)+ Fe  $\longrightarrow$   $\text{FeSO}_4$ (Solution) + \_\_\_\_\_
- 11 In a chemistry experiment, a student by mistake put some magnesium strips in blue coloured copper sulphate solution. What change will he observe in the colour of the solution? Write the reaction also.
- 12 **Give Reason:**
  - a. Bakelite is used for making electric plugs.
  - b. PVC is a thermoplastic.
- 13 What happens when copper vessel is exposed to moist air for a long time? Give the chemical reaction that takes place.
- 14 What will happen if pancreas does not produce hormone insulin in sufficient quantity and what is the function of adrenal gland?
- 15 Where are chromosomes found in a cell? State their function.
- 16
  - a) What are the affects caused by disease causing microorganisms?
  - b) Name some plant diseases with their causative organism.
- 17 Plastics are hazard for the environment. Justify
- 18
  - a) Why are cells called functional units of an organism?
  - b) How does nucleus help in transmission of characters from parents to children?
  - c) Name the human cells that can change their shape.
  - d) Are the cells of an elephant larger than the cells of an ant
- 19 Draw a protozoa and one Fungi