

I Fill in the blanks.

- a) The breaking down of food to release energy is called _____
- b) In the lungs, each bronchus branches into smaller tubes called _____
- c) The tiny holes in stems and fruits of plants are called _____
- d) In humans the oxygen is carried by a red pigment called _____ present in the red blood cells.
- e) In earthworms the exchange of gases occur through the _____

II Answer the following questions.

- Q1** What is anaerobic respiration? Write a word equation for this process.
- Q2** Explain the mechanism of breathing.
- Q3** Why do athletes, after heavy exercise suffer from muscle cramps? What measures should be taken to get relief from such muscle cramps?
- Q4** Draw a labelled diagram of human respiratory system.
- Q5** Differentiate between breathing and respiration.

III Choose the correct option.

- 1** In cockroaches, air enters the body through
a) lungs b) gills c) spiracles d) skin
- 2** One of the following is not produced during the anaerobic respiration in yeast. This one is a) carbon dioxide b) energy c) lactic acid d) alcohol
- 3** Yeast converts glucose into :
a) starch b) alcohol c) lactic acid d) yogurt
- 4** During respiration in humans, the exchange of gases takes place in :
a) bronchi b) alveoli c) bronchioles d) trachea
- 5** As compared to inhaled air, the exhaled air contains more of :
A. Water vapour B. oxygen C. carbon dioxide D. nitrogen
- a) A and B b) A and C c) only C d) B and D