

Board – CBSE

Class – 7<sup>th</sup>

Topic – Respiration in Organisms

1. Name the following:
  - a) Inside the cells the breaking of food into the water and carbon dioxide
  - b) Cockroach breathe by these structures
  - c) In fishes, these are the breathing structures.
  - d) The products formed as a result of glucose breakdown
  - e) The type of respiration takes place in our muscles.
  - f) A large muscular sheet that forms the floor of the chest cavity
2. Fill in the blanks:-
  - i. If the food is broken with the help of oxygen, it is called as \_\_\_\_\_.
  - ii. In earthworm exchange of gases takes place through\_\_\_\_\_.
  - iii. A cell is the smallest \_\_\_\_\_ and \_\_\_\_\_ unit.
  - iv. during breathing \_\_\_\_\_ and \_\_\_\_\_ take place alternately.
3. Why do all organisms respire?
4. What is the difference between aerobic and anaerobic respiration. Write equations for both.
5. Why are yeasts used to make wine and beer?
6. Why do we get muscle cramps after heavy exercise?
7. Draw and label a neat diagram of the human respiratory system.
8. What would happen if a potted plant is overwatered
9. How is respiration different from breathing?
10. What is released during respiration?
11. What do we get as products after breaking down of glucose in the absence of oxygen?
12. How many times does an adult human being breathe in and out while at rest?
13. How does the skin of an earthworm feel on touching?
14. How can yeast survive in the absence of air?
15. Why does a cell need energy?

16. Why do all living organisms need to respire?
17. What happens to ribs and diaphragm during exhalation in breathing?
18. How are muscle cramps caused?
19. How is lactic acid produced in muscles?
20. What do you mean by breathing rate?