



## **Question Bank**

### **Grade 7- Science**

#### **Chapter 10 -Respiration: The path to Energy**

##### **Answer the following questions:**

1. What type of reactions take place in our body during respiration?
2. What is the significance of respiration in maintaining our ecosystem?
3. Name the structures in human respiratory system that help in breathing
4. How do the following animals respire: (i) an earthworm (ii) a cockroach?
5. Why the gills, moist skin and lungs are richly supplied with blood capillaries?
6. How do earthworms breathe through their skin?
7. How are amphibians different from other aquatic and terrestrial animals?
8. What is the purpose of the mucus and tiny hairs in the nasal cavity?
9. What are the two tubes into which the pharynx opens?
10. What is the significance of the alveoli in the human respiratory system?
11. The cellular respiration process takes place in which cell organelle?
12. Name the end products of anaerobic respiration in yeast.
13. In some animals, exchange of gases takes place through its thin and moist skin. Name one such animal.
14. Our nostrils has hair and mucous. What is the need to have them in our nasal cavity?
15. Sometimes we see that farmers loosen the soil. What is the reason behind it?
16. The vocal ability of humans is the responsibility of an organ commonly known as voice box. What is its scientific name?
17. When we exhale or breathe out, percentage of a certain gas is high. Name the gas.
18. What happens to your breathing rate when you

(a) exercise

(b) go to sleep

19. A part from stomata another structure is used by plants to respire. Name that structure.

20. All organisms breathe in  $O_2$  and  $CO_2$ . Should be less  $O_2$  and excess of  $CO_2$  in our environment.

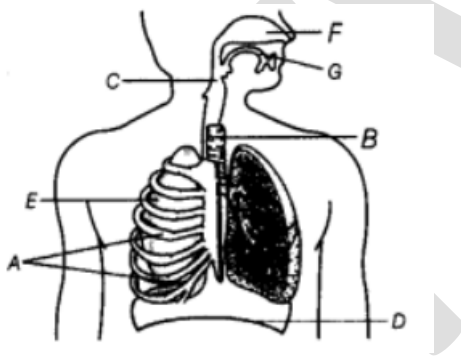
21. Which gas present in air is essential for aerobic respiration? What is the role of this gas during respiration?

22. On a very cold morning, Boojho and Paheli were talking with each other as they walked down to their school. They observed that the air coming out of their mouth looked like smoke. They were assumed and wondered how it happened. Help them to find the answer.

23. Frogs are amphibians. They survive on land and water, do they have any respiratory issue? How does frog breathe when they are in water? Do they possess lungs? Explain the role of lungs in frogs.

24. Whenever we feel drowsy or sleepy, we start yawning. Does yawning help us in anyway?

25. Observe the given diagram of human respiratory system. List the organs from (A) to (G).



26. List some animals around you. Now group them as follows:

(a) Animals that can breathe only through skin.

(b) The animal that can breathe through skin as well as through lungs.

(c) The animal that can breathe through lungs.

(d) Animals that can breathe through gills.

(e) Animals that can breathe through spiracle and tracheae?