

EXERCISE # 1

A. Single Choice Type Questions

Q.1 The air sacs at the end of the smallest air tubes inside the lungs are called.

- (1) alveoli (2) bronchi
(3) bronchioles (4) larynx

Q.2 Glucose is oxidised to ethyl alcohol in -

- (1) aerobic respiration
(2) anaerobic respiration
(3) fermentation
(4) none of these

Q.3 Normal range of breathing rate in an average adult person at rest is -

- (1) 9 to 12 (2) 15 to 18
(3) 12 to 20 (4) 30 to 33

Q.4 Plants get their oxygen requirement for respiration through -

- (1) stomata
(2) lenticels
(3) both (a) and (b)
(4) None of these

Q.5 Which one of the following can respire in the absence of oxygen? -

- (1) fish (2) frog
(3) yeast (4) Man

Q.6 An animal breathe through skin as well as lungs is -

- (1) frog (2) Earthworm
(3) snail (4) fish

Q.7 Air tube of an insect is called -

- (1) Spiracle
(2) larynx

(3) pharynx

(4) gills

Q.8 During inhalation the diaphragm moves -

- (1) upwards
(2) downwards
(3) towards left
(4) towards right

Q.9 During exhalation the ribcage moves -

- (1) upward and outward
(2) downwards and inwards
(3) from side to side
(4) does not move at all

B. Fill In The Blanks

Q.10 All living organisms use _____ to perform life functions -

Q.11 During respiration _____ is taken in and _____ is given out

Q.12 The first phase of respiration is known as _____

Q.13 Carbon dioxide turns lime water _____

Q.14 Fermentation occurs in the _____ of oxygen

C. Match The Following

Q.15

Column-A	Column-B
1. Stomata	a. Earthworm
2. Gills	b. Man
3. Tracheal tubes	c. Plants
4. Lungs	d. Fish
5. Skin	e. Cockroach
	f. Amoeba

EXERCISE # 2**A. Very Short Answer Types Questions**

- Q.1** How do unicellular organisms exchange gases with the environment?
- Q.2** Name the respiratory organs present in the leaves and woody stems.
- Q.3** Why do body cells require oxygen?
- Q.4** What brings oxygen to all parts of our body?
- Q.5** Which organ do earthworms use for gaseous exchange?
- Q.6** Name the process by which energy is released from the digested food.
- Q.7** Show the process of respiration through a word equation.
- Q.8** What happens to your breathing rate when you do exercise?
- Q.9** Name the respiratory organs of human's respiratory system.
- Q.10** Name one bad habit which can cause lung cancer.

B. Short Answer Types Questions

- Q.11** What is anaerobic respiration?
- Q.12** List two ways in which we make use of anaerobic respiration.
- Q.13** How do insects respire?
- Q.14** What happens during cellular respiration?

- Q.15** Write one difference between breathing and respiration.
- Q.16** Write the names of different organs of breathing found in animals.
- Q.17** Under what conditions does anaerobic respiration take place in humans?
- Q.18** What is the importance of nostrils during breathing?
- Q.19** Name the breathing organs of
(a) Frog (b) Cockroach
(c) Fish (d) Amoeba
- Q.20** What do you understand by tidal volume?

C. Long Answer Types Questions

- Q.21** Give a brief account of the various modes of respiration found in animals
- Q.22** Draw a neat labelled diagram of respiratory system of man
- Q.23** Give four differences between aerobic and anaerobic respiration
- Q.24** What is the role of stomatal apparatus in plant respiration?
- Q.25** What is the difference between respiration and breathing?
- Q.26** Show the respiratory organs of the following:
(a) Amoeba (b) Earthworm
(c) Frog (d) Cockroach
(e) Fish