

Udaan 2025

Biology

Life Processes

DHA - 05

- Q 1** The windpipe is also called _____.
(A) Larynx (B) Lungs
(C) Trachea (D) Oesophagus
- Q 2** Rate of breathing is _____ in fishes as compared to terrestrial animals.
(A) Slower (B) Faster
(C) Equal (D) None of these
- Q 3** Which of the following respiratory organ is the site of exchange of gases in humans?
(A) Bronchioles (B) Pharynx
(C) Trachea (D) Alveoli
- Q 4** Rings of cartilage are found associated with:
(A) Bronchi (B) Bronchioles
(C) Trachea (D) Alveoli
- Q 5** In which of the following types of animals one can find the operculum?
(A) Insects (B) Humans
(C) Plants (D) Fishes
- Q 6** During inhalation, Diaphragm moves:
(A) Upwards (B) Downwards
(C) No movement (D) Both (A) and (B)
- Q 7** The respiratory pigment (i) _____ is found in (ii) _____ of blood.
(A) (i) Haemoglobin, (ii) white blood cell
(B) (i) Haemoglobin, (ii) red blood cell
(C) (i) Chlorophyll, (ii) red blood cell
(D) (i) Haemoglobin, (ii) plasma
- Q 8** Which of the following statement is incorrect with reference to breathing in human beings?
(A) Exchange of gases occurs in alveoli.
(B) During inhalation, diaphragm moves downwards and becomes flat.
(C) Haemoglobin has higher affinity for CO₂.
(D) During exhalation, diaphragm moves upwards and becomes dome shaped.
- Q 9** Breathing organs in fishes is:
(A) Gills (B) Spiracles
(C) Lungs (D) Skin
- Q 10** Diaphragm is a
(A) muscle (B) bone
(C) blood cell (D) None of these

Answer Key

Q1 C
Q2 B
Q3 D
Q4 C
Q5 D

Q6 B
Q7 B
Q8 C
Q9 A
Q10 A



Hints & Solutions

Q 1 Text Solution:

Trachea is also called windpipe.

Video Solution:



Q 2 Text Solution:

Aquatic animals breathe at a **faster rate** than the terrestrial animals because the amount of dissolved oxygen in water is fairly low compared to the amount of oxygen in the air. To meet the oxygen need aquatic animals breathe faster to intake more oxygen.

Video Solution:



Q 3 Text Solution:

Balloon like structures called alveoli are the sites of exchange of gases.

Video Solution:



Q 4 Text Solution:

The trachea is the tube that connects your voice box with your bronchi in your lungs. Incomplete C-shaped cartilaginous rings are present in the trachea.

Video Solution:



Q 5 Text Solution:

The operculum in a fish is a bony plate that covers the gills.

Video Solution:



Q 6 Text Solution:

Diaphragm becomes flat during inhalation.

Video Solution:



Q 7 Text Solution:

The respiratory pigment (i)haemoglobin is found in (ii) red blood cells of blood.

Video Solution:



Q 8 Text Solution:

Hemoglobin binds with O₂ easily.

Video Solution:



Q 9 Text Solution:

Fishes respire with the help of gills.

Video Solution:



Q 10 Text Solution:

Diaphragm separates chest and cavity

Video Solution:



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