



BIOLOGY

BOOKS - ICSE

RESPIRATORY SYSTEM IN HUMANS

Exercises Tick The Most Appropriate Answer

1. The products of respiration are

A. carbon dioxide and oxygen.

B. oxygen and energy.

C. carbon dioxide, water and energy.

D. carbon dioxide, oxygen and energy.

Answer:



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2. Glucose is oxidized to produce ethyl alcohol during

A. excretion.

B. aerobic respiration.

C. anaerobic respiration.

D. photosynthesis.

Answer:



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3. Inside the chest, the trachea divides into two branches called

A. bronchi.

B. bronchioles.

C. bronchus.

D. alveolus.

Answer:



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4. During inspiration, the diaphragm

A. moves up.

B. moves down.

C. remains at its position

D. moves up and down.

Answer:



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5. Exhaled air contains

A. more carbon dioxide.

B. more oxygen.

C. more nitrogen.

D. more hydrogen.

Answer:



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Exercises Fill In The Blanks

1. The two types of respiration are _____ and



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2. Muscle cells switch to _____ respiration in the absence of oxygen.



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3. In _____ respiration, food is completely oxidized into carbon dioxide, water and energy.



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4. Below the lungs is a muscular sheet called



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5. Bronchi divide into smaller tubes called



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Exercises True Or False

1. The oxidation of food to release energy and water is called breathing.



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2. Anaerobic respiration takes place in our bones when there is a shortage of oxygen.



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3. The microscopic air sacs present in the lungs are called alveoli.



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4. The movement of ribs and diaphragm plays an important role in the breathing process.



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5. Bronchitis is caused by a bacterium.



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Exercises Differentiate Between

1. External respiration and Internal respiration



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2. Anaerobic respiration and Aerobic respiration



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3. Differentiate. tracheae and bronchi.



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4. Differentiate. Bronchi and alveoli.



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Exercises Answer The Following In Short

1. Define respiration.



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2. What is the full form of ATP?



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3. What is respiratory tract?



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4. What is the function of pleural fluid?



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5. What is the contribution of the following in breathing?

Diaphragm



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[Exercises Answer The Following In Detail](#)

1. How is the process of cellular respiration different from breathing?



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2. What is cellular respiration?



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3. In human, what happens to oxygen after it is inhaled through the nose?





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4. How and where is the blood enriched with oxygen in humans?



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5. With the help of labelled diagrams show the mechanism of beathing in humans.



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Exercises

1. Given below are sets of five terms each. Rewrite the terms in correct order in a logical sequence beginning with the term that is underlined.

Nostrils, Pharynx, Alveoli, Larynx, Bronchioles



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Exercises Look At The Picture Given Below And Sanwer The Following Question

1. Name any one virus having RNA as their genetic material.



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Check Your Progress Answer The Following In One Word

1. Which organ is called the voice box?



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2. Name the two membranes covering the lungs.



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3. What is the muscular sheet below the lungs called?



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4. Where does exchange of gases takes place?



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5. What is formed when oxygen combines with haemoglobin?



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Check Your Progress Answer These Question

1. External respiration and Internal respiration



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2. Write the equation to show the process of respiration.



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3. In what form is the energy released during respiration stored?



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4. The two types of respiration are _____ and _____



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5. Why is less energy produced during anaerobic respiration than in aerobic respiration?



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1. Breathing through nose is healthier than breathing by mouth. Why?



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