



INDIAN SCHOOL NIZWA - WORKSHEET

GENERAL SCIENCE CH-10, RESPIRATION IN ORGANISMS

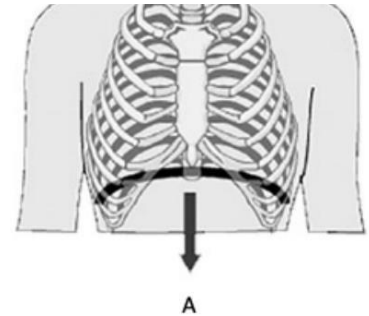
Name: _____

Date: _____

Class: VII Sec: ____

1. The image shows part of the human respiratory system. A structure, labelled as 'A' in the image is forming the floor of the chest cavity. What is this structure referred to?

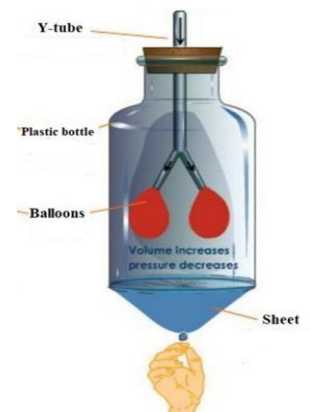
- (a) Lungs
- (b) Diaphragm
- (c) Nasal cavity
- (d) Chest cavity



2. Study the given experimental set-up. Which of the following statements holds when the rubber sheet is pulled down?

- i. Air pressure inside the bottle increases.
- ii. The balloons inside the bottle expand.
- iii. This is similar to the expansion of the lungs during inhalation.
- iv. This is similar to the contraction of the lungs during exhalation.

- (a) (ii), (iii) and (iv)
- (b) (ii) and (iii)
- (c) (i) and (iv)
- (d) (i), (iii) and (iv)



3. Yeast is used in wine and beer industries because it respire

- (a) Aerobically producing oxygen.
- (b) Aerobically producing alcohol.
- (c) Anaerobically producing alcohol.
- (d) Anaerobically producing CO₂.

4. During the process of exhalation, the ribs move

- (a) Down and inwards.
- (b) Up and inwards.
- (c) Down and outwards.
- (d) Up and outward.

5. Fish breathe with the help of gills which are richly supplied with blood vessels. The gills help the fish to

- (a) Take in oxygen from air.
- (b) Take in oxygen dissolved in water.
- (c) Absorb nutrients present in water.
- (d) Release waste substances in water.



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6.	Sometimes when we do heavy exercise, anaerobic respiration takes place in our muscle cells. What is produced during this process? (a) Alcohol and lactic acid (b) Alcohol and CO ₂ (c) Lactic acid and CO ₂ (d) Lactic acid only
7.	Earthworms and frogs breathe through their skin because of which the skin of both the organisms is (a) Moist and rough. (b) Dry and rough. (c) Dry and slimy. (d) Moist and slimy
8.	Raw materials for cellular respiration is a) Starch b) Glucose c) Sugar d) All of these
9.	Which of the following is the correct path of oxygen in humans during inhalation? a) Nostrils → Nasal cavity → Trachea → Lungs b) Nostrils → Trachea → Nasal Cavity → Lungs c) Lungs → Trachea → Nasal Cavity → Nostrils d) Nostrils → Nasal cavity → Lungs → Trachea
10.	For which activity does a person require maximum energy? a) Reading b) Cycling c) Walking d) Sleeping
11.	What are anaerobes? Give 2 examples. <hr/> <hr/> <hr/>
12.	Write word equations for anaerobic respiration in human beings and anaerobes. <hr/> <hr/> <hr/> <hr/> <hr/>



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13.	Define breathing rate. <hr/> <hr/> <hr/>
14.	<p>A food stall owner was preparing dough for making <i>bhaturas</i>. He added a pinch of yeast and sugar to the dough and left it in a warm place. After few hours, the dough had risen. There was a sour smell too.</p> <p>(a) Why did the dough rise? (b) Why did the dough smell sour? (c) Why was sugar added to the dough? (d) What would have happened if the dough was kept in the refrigerator, soon after it was prepared?</p> <p>a) _____ _____</p> <p>b) _____ _____</p> <p>c) _____ _____</p> <p>d) _____ _____</p>