



Q6. Match the items in Column I with those in Column II:

Column I	Column II
(a) Yeast	(i) Earthworm
(b) Diaphragm	(ii) Gills
(c) Skin	(iii) Alcohol
(d) Leaves	(iv) Chest cavity
(e) Fish	(v) Stomata
(f) Frog	(vi) Lungs and skin
-	(vii) Tracheae

Answer:

Column I	Column II
(a) Yeast	(iii) Alcohol
(b) Diaphragm	(iv) Chest cavity
(c) Skin	(i) Earthworm
(d) Leaves	(v) Stomata
(e) Fish	(ii) Gills
(f) Frog	(vi) Lungs and skin

Q7. Mark T if the statement is true and F if it is false:

- (i) During heavy exercise the breathing rate of a person slows down. (T/ F)
- (ii) Plants carry out photosynthesis only during the day and respiration only at night. (T/ F)
- (iii) Frogs breathe through their skins as well as their lungs. (T/ F)
- (iv) The fishes have lungs for respiration. (T/ F)
- (v) The size of the chest cavity increases during inhalation. (T/ F)

Answer:

- (i) F
- (ii) F
- (iii) T
- (iv) F
- (v) T

Q8. Given below is a square of letters in which are hidden different words related to respiration in organisms. These words may be present in any direction - upwards, downwards, or along the diagonals. Find the words for your respiratory system. Clues about those words are given below the square.

S	V	M	P	L	U	N	G	S
C	Z	G	Q	W	X	N	T	L
R	M	A	T	I	D	O	T	C
I	Y	R	X	Y	M	S	R	A
B	R	H	I	A	N	T	A	Y
S	T	P	T	B	Z	R	C	E
M	I	A	M	T	S	I	H	A
S	P	I	R	A	C	L	E	S
N	E	D	K	J	N	S	A	T

- (i) The air tubes of insects
 - (ii) Skeletal structures surrounding chest cavity
 - (iii) Muscular floor of chest cavity
 - (iv) Tiny pores on the surface of leaf
 - (v) Small openings on the sides of the body of an insect
 - (vi) The respiratory organs of human beings
 - (vii) The openings through which we inhale
 - (viii) An anaerobic organism
 - (ix) An organism with tracheal system
- Answer:

S	V	M	P	L	U	N	G	S
C	Z	G	Q	W	X	N	T	L
R	M	A	T	I	D	O	T	C
I	Y	R	X	Y	M	S	R	A
B	R	H	I	A	N	T	A	Y
S	T	P	T	B	Z	R	C	E
M	I	A	M	T	S	I	H	A
S	P	I	R	A	C	L	E	S
N	E	D	K	J	N	S	A	T

- (i) The air tubes of insects → Trachea
- (ii) Skeletal structures surrounding chest cavity → Ribs
- (iii) Muscular floor of chest cavity → Diaphragm
- (iv) Tiny pores on the surface of leaf → Stomata
- (v) Small openings on the sides of the body of an insect → Spiracles
- (vi) The respiratory organs of human beings → Lungs
- (vii) The openings through which we inhale → Nostrils
- (viii) An anaerobic organism → Yeast
- (ix) An organism with tracheal system → Ant

Q9. The mountaineers carry oxygen with them because:

- (a) At an altitude of more than 5 km there is no air.
- (b) The amount of air available to a person is less than that available on the ground.
- (c) The temperature of air is higher than that on the ground.
- (d) The pressure of air is higher than that on the ground.

Answer:

The mountaineers carry oxygen with them because (b) The amount of air available to a person is less than that available on the ground.

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