

X_BIOLOGY _LIFE PROCESSES(RESPIRATION)_ WS 2

MODULE 2 /3

1. Why does the trachea have cartilaginous rings?
2. Name the parts that make up the respiratory system in human beings.
3. What is the diaphragm and what role does it play?
4. Name the part where air is filtered by fine hairs and mucus?
5. Name the part which terminates as small balloon like structures?
6. Name the cavity in which lungs of man are located? State its function.
7. Choose the correct answer –
Assertion: Insects like grasshopper breathe through moist skin.
Reason: Amphibians live both on land and in water. So they can breathe easily as they have spiracles.
 - a) If both assertion and reason are true and reason is the correct explanation of assertion.
 - b) If both assertion and reason are true but the reason is not the correct explanation of assertion.
 - c) If assertion is true and reason is false.
 - d) If both assertion and reason are false.
 - e) If assertion and reason are true.
8. What is ATP? How is it produced? How much energy is released when ATP is broken using water?
9. Expand ATP and write an equation to showing ATP hydrolysis.
10. Write the three ways how plants respire.
11. Why is the rate of breathing in aquatic organisms much faster than that of terrestrial animals?
12. List 3 common features of all respiratory organs.
13. What is the role of alveoli?
14. Why does the trachea never collapse?