

## Gaseous Exchange

Sr	Questions	Answers Choice
1	Where does the gaseous exchange occur in humans:	A. Pharynx B. Larynx C. Trachea D. Epiglottis
2	At night, when photosynthesis is not occurring, what is the net gaseous exchange between a plant and its environment?	A. Plants take in CO <sub>2</sub> and release O <sub>2</sub> . B. Plants take in O <sub>2</sub> and release CO <sub>2</sub> . C. Plants take in both CO <sub>2</sub> and O <sub>2</sub> . D. There is no gaseous exchange.
3	How do submerged aquatic plants primarily exchange gases with their surrounding water environment?	A. Through specialized stomata on their leaves B. Via lenticels present on their stems C. Across their general body surface and cell membranes D. By means of root hairs absorbing dissolved gases
4	What happens during Exhalation?	A. Ribs muscles relax B. Diaphragm become dome shaped C. Pressure on lungs increased D. All of these
5	Which structure actively helps in taking the air out of lungs?	A. Nasal cavity B. Bronchus C. Bronchiole D. Diaphragm
6	Amount of carbon dioxide in inspired air is:	A. 16% B. 0.04% C. 4% D. None of these
7	How many bronchi are there in the air passageway?	A. One B. Two C. Many D. None of these
8	During nighttime, what is the net gaseous exchange observed in most plants?	A. Intake of CO <sub>2</sub> and release of O <sub>2</sub> B. Release of CO <sub>2</sub> and intake of O <sub>2</sub> C. Release of both CO <sub>2</sub> and O <sub>2</sub> D. No significant gaseous exchange occurs
9	Which disease is caused by Streptococcus pneumoniae:	A. Bronchitis B. Emphysema C. Pneumonia D. Asthma
10	During the daytime, plants primarily take in which gas from the atmosphere for photosynthesis?	A. Oxygen B. Nitrogen C. Carbon dioxide D. Water vapor
11	In human and other higher animals, the exchange of gases is carried out by:	A. Skin B. Respiratory C. Air passageway D. Lungs
12	Main role to give out air from lungs is;	A. Bronchus B. Bronchi C. Bronchiote D. Diaphragm
13	The air spaces present in the spongy mesophyll of a leaf are crucial for which process?	A. Absorbing sunlight for photosynthesis. B. Storing excess water for drought conditions. C. Facilitating the diffusion of gases throughout the leaf. D. Providing mechanical support to the leaf structure.

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14 The rate of breathing during exercise or other hard physical work is:  
A. 10-20 times  
B. 20-30 times  
**C. 30-40 times**  
D. 40-50 times

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15 Gaseous Exchange in cow takes in:  
A. Bronchi  
B. Trachea  
C. Pharynx  
**D. Alveoli**

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16 During exercise or other hard physical works the breathing rate may increase up to.  
A. 30-40 times per minute  
B. 50-60 times per minute  
C. 60-70 times per minute  
D. 70-80 times per minute

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17 The inflammation of bronchi or bronchioles is called:  
A. Bronchitis  
B. Emphysema  
C. Pneumonia  
D. Chest box

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18 The uncontrolled cell divisions in lungs tissue is called:  
A. bronchitis  
B. emphysema  
**C. cancer**  
D. Asthma

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19 Power of speaking is only gifted to:  
A. Human being  
B. Monkey  
C. Parrot  
D. Crow

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20 Which gas is continuously required by plants for the process of cellular respiration, day and night?  
A. Carbon dioxide  
B. Nitrogen  
**C. Oxygen**  
D. Methane

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