

The Respiratory System Review Sheet

1. Explain the main job/function of the respiratory system.
2. What are the two routes of entry for air into your lungs and what is the advantage(s) of each?
3. How does the body ensure that food and liquid does not back up into the nose?
4. How does the body ensure that food and liquid does not travel down towards the lungs?
5. How do we benefit from the mucus that lines the respiratory system?
6. How do we benefit from the cilia that lines the respiratory system?
7. What is the main function of the trachea?
8. What is the function of the rings of cartilage surrounding the trachea?
9. What is another name for the trachea?
10. What is the relationship between the bronchus, the bronchi and the bronchioles?
11. What is the main function of the lungs?
12. What is the difference between the left and right lung?
13. What is the functional unit on the lung?
14. What are alveoli and how do they operate?
15. The capillaries and alveoli work together to exchange gases. Draw a diagram depicting the flow of gases between the two.
16. What 3 factors allow for the exchange of gases between the blood cells in the capillaries and the alveoli?
17. What is the diaphragm?
18. Describe how the chest and diaphragm work together to move air in and out of the lungs. Include the pressure and volume changes that take place in the chest cavity as the diaphragm moves up and down.
19. What is the role of carbonic acid (H_2CO_3) and bicarbonate (HCO_3^-) in the removal of CO_2 from the body?
20. Why is exercise good for the respiratory system?

