

Guiding Questions – Respiratory System

1. What are the two functions of the respiratory system? (p.430)
2. Why does the body need oxygen? How does the respiratory system help the body maintain homeostasis? (p.430)
3. What is “respiration”? (p.431)
4. What are the main ingredients of the air you breathe? What are the percentage amounts of each component? ((p.431)
5. What are the functions of the nose? (p.432)
6. What is the pharynx, and what is its function? (p.432)
7. What is the trachea, and what is its function? (p.433)
8. What is the function of the lungs, and what is the function of its two main structures, bronchi and alveoli? (p.434)
9. How does gas exchange work in the alveoli? (p.435)
10. About how many alveoli are there in the lungs? How much surface area do the alveoli collectively have? (p.435)
11. Describe how the muscles of the diaphragm cause the lungs to inflate (inhalation) and deflate (exhalation)? (pp.436-37)