

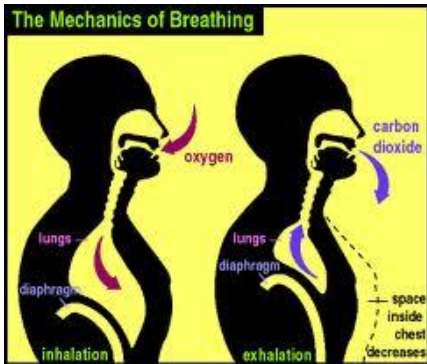
Breathing Cycle Study Guide

Learning Target: Define each step of the breathing cycle. (knowledge)

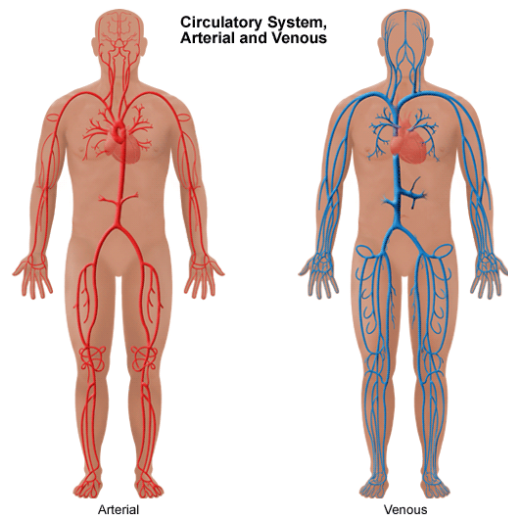
1. What system does the respiratory system function closely with in order to maintain homeostasis?
2. Where in the lungs does gas exchange take place?

Explain each of the following steps involved in respiration:

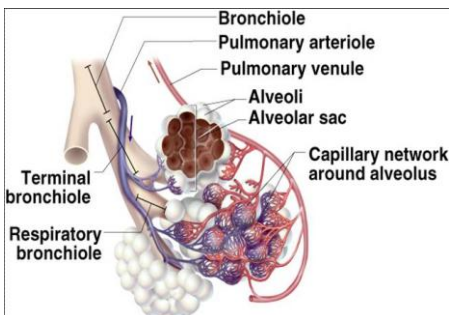
3. Ventilation:



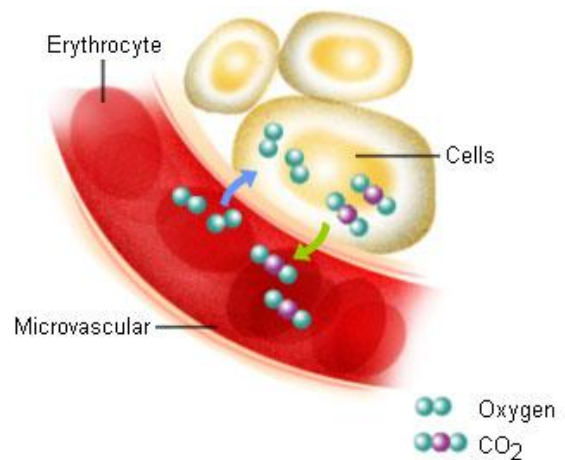
5. Transportation:



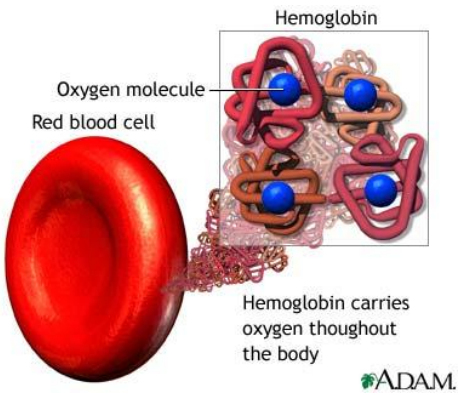
4. External respiration:



6. Internal respiration:



7. What causes oxygen to move from the alveoli into the blood and carbon dioxide to move from the blood into the alveoli?
8. What causes oxygen to leave the arterioles and enter cells and carbon dioxide to leave cells and enter the arterioles?
9. How would you define gas exchange?
10. What protein on red blood cells delivers oxygen throughout the body?



Name the three ways CO₂ is transported throughout the body

- 11.
- 12.
- 13.

