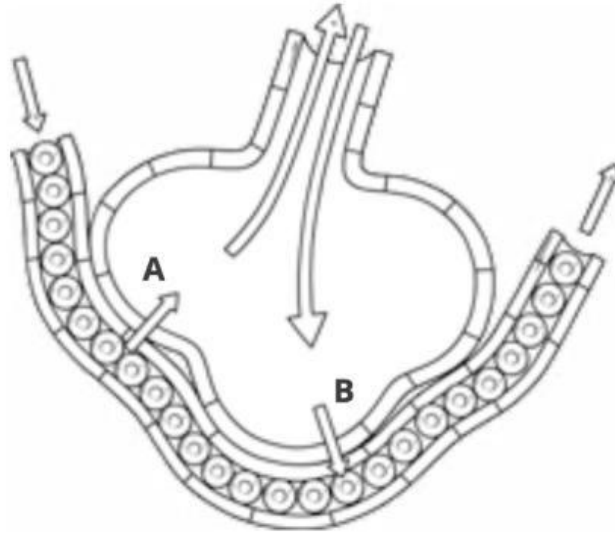


Gas Exchange at the Alveoli

The diagram below demonstrates gas exchange occurring at the alveolus.



1. Label the gases identified as A and B.

A:

B:

Respiration

exhalation

alveoli

rib cage

oxygen

carbon dioxide

bronchi

bronchioles

capillaries

inhalation

diaphragm

The lungs are protected by the _____. The muscle responsible for moving air in and out of your lungs is the _____.

The body takes in _____ and releases _____. The process of taking air in is called _____ and removing air is called _____.

As you trace the path of airflow, the air moves down the trachea and into the _____ and then to the _____.

The bronchioles then further branch out to structures that look like a bunch of grapes. These are the _____.

Each alveolus (singular of alveoli) is surrounded by _____ which is a vessel so small that only red blood cells fit through.

As the blood moves past the alveoli, oxygen attaches to each red blood cell. Carbon dioxide is removed from the blood and back into the alveoli where it can travel back up through the lungs to be exhaled.