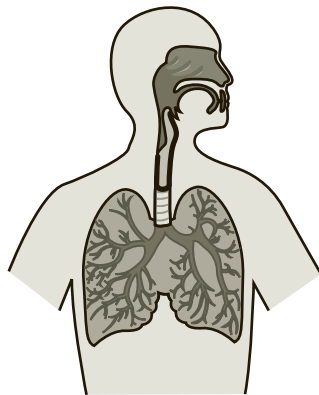


The diagram below shows how air passageways branch in the human lungs.



- Identify the **two** main gases that are exchanged between the respiratory and circulatory systems.
- Identify the structure in lungs where gas exchange with capillaries occurs.
- Describe how the **two** gases are exchanged between the structure you identified in part (b) and the capillaries.
- Explain why the branching of the air passageways in the lungs is important for efficient respiratory system functioning.