

- Larger surface area
- Thin surfaces means shorter diffusion pathway

▼ Single-celled Organism Gas Exchange

- Absorbs and release gas via diffusion through outer surface
- Has bigger surface area, thin surface and shorter diffusion pathway

▼ Lungs Gas Exchange

- Air is breathed in through trachea
- Trachea divides into two bronchi that leads into lungs

▼ Bronchioles

- Smaller tubes branched off from bronchioles

▼ Alveoli

- Small air sacs on bronchiole end
- Ribcage, intercostal muscles and diaphragm works in unity moving air in and out

▼ Ventilation Processes

▼ Inspiration

- Contraction of external intercostal and diaphragm muscles
- Ribcage moves upwards and outwards, diaphragm flattens increasing thoracic cavity volume
- Cavity increase decreases lung pressure