



How alveoli are adapted for gas exchange

The tiny air sacs in the lungs

The reactants for aerobic respiration
Pulse rate

Lactic acid
Carbon dioxide and water.

Tissue fluid

Arteries
Tiny hairs that sweep mucus out of the lungs.

Blood vessels that carry blood away from the heart.

How exhaled air is different to inhaled air.
Plasma that has leaked out into tissues and flows over cells.

Blood vessels that carry blood into the heart.
How gases pass into the blood during gas exchange.

Respiration without oxygen
The product of anaerobic respiration in muscles

Heart disease
Heart attack
Frostbite
Emphysema

Diffusion

Less oxygen
More carbon dioxide
More water vapour
Warmer

Anaerobic respiration

The products for
aerobic respiration.

Glucose and Oxygen

The number of times
your heart pumps
blood around the
body in 1 minute.

Veins

Cilia

Caused by a lack
of oxygen to the
body.

Alveoli

Thin
Good blood supply
Lots of them (large
surface area)

Ventilation