

Respiratory System

Parts

Nostrils

Nose Hairs

Nasal Cavity

Contains Turbinate=Conchae

warms air

moistens air

traps foreign boders

Pharynx

Nasal-

Oro-

Laryngeal-

Larynx

vocal cords

Glottis (space between vocal cards)

Trachea (windpipe)

Brochea

Bronchioles

Terminal Bronchiole

Alveoli (air sacks)

Surfactant prevents sticking together

Made with Lecithin

Capillaries

Hemoglobin holds on to Oxygen

Releases Carbondioxide from Carbonic Acid (captured Carbondioxide)

Tissues

Myoglobin takes Oxygen from Hemoglobin

Myoglobin brings Oxygen to mitochondria to create ATP and release Carbondioxide

Process of Respiration

Ventilation

Breathing in (inspiration) and out (expiration)

Diffusion

Hi -> Lo Concentration of particles

Function

Transport Oxygen in Carbondioxide out

Muscles

Diaphragm

for inspiration

Creates negative pressure

increased volume

Contracts

Normal at rest alone

Intercostal Muscles

Internal

Expiration

External

Inspiration

During Exertion

Abdominals

During Exertion

Areas

Mediastinum

area between lungs

Pleura

Sacs around lungs