

SCIENCE KNOWLEDGE ORGANISER: YR8 GOING FOR GOLD

Key term	Definition
Strength	Ability to withstand force
Cartilage	Flexible tissue protecting bones.
Antagonistic	Oposing muscles working together
Diffusion	Movement of particles from high to low concentrations.
Respiration	Chemical reaction between oxygen and glucose that occurs in mitochondria, and releases energy.
Alveoli	Air sacs for gas exchange
Pressure	Force applied over an area.
Ventilation	Moving air in and out.
Aerobic	Respiration using oxygen.
Anaerobic	Respiration without oxygen.

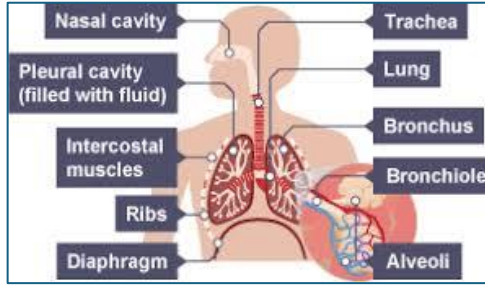
REVISION



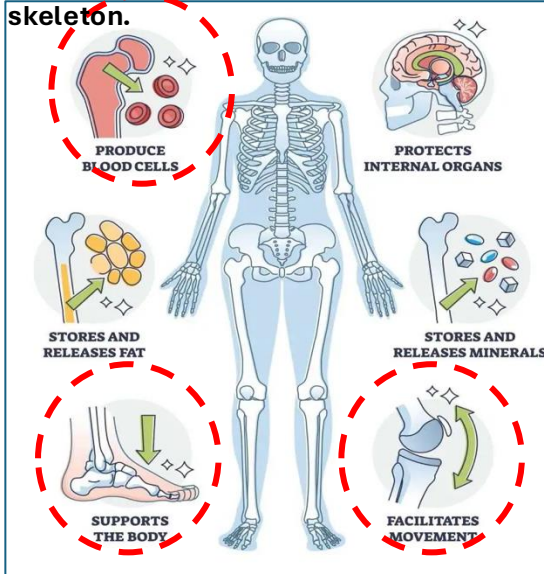
GREATER DEPTH



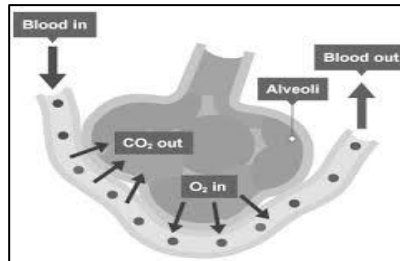
Structure of the respiratory system



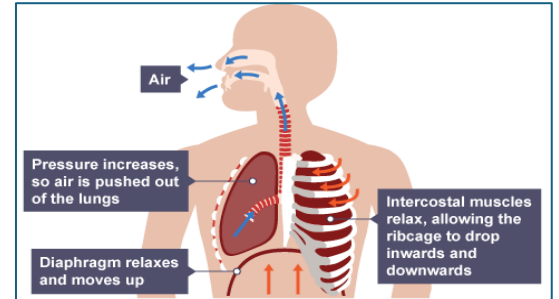
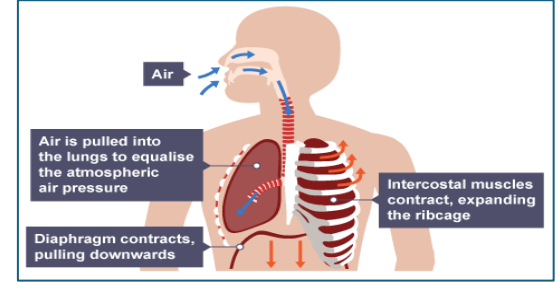
The 3 most important functions of the skeleton.



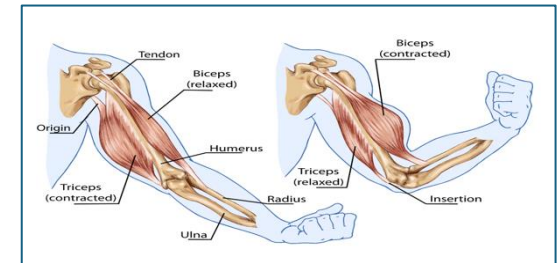
Gas exchange of oxygen and carbon dioxide occurs in the alveoli. Each gas moves down their concentration gradients, which is in opposite directions.



The process of ventilation: pressure changes



Muscles work in antagonistic pairs



The difference between aerobic & anaerobic respiration

