

Combined Science - Biology - Key Stage 4

Respiration

Miss Strmec



Independent Practice

Respiration is the release of _____ from the _____ you've eaten. Like burning, it requires _____ and produces _____ and _____ as waste products.

Word Bank:

oxygen, water, carbon dioxide, food, energy



Independent Practice

Fill in the blanks. Use the following words: increases, decreases, more, faster, glucose

Condition	Change	Explanation
Heart Rate	_____ during exercise	Pump blood to muscles _____ More glucose and oxygen
Volume of blood pumped in each heart beat	_____ during exercise	Pumps _____ blood per beat More glucose and oxygen per beat
Breathing rate	_____ during exercise	_____ intake of oxygen Faster excretion of carbon dioxide
Breathing Depth	_____ during exercise	_____ air in every breath More oxygen in the body per breath
Glycogen levels in the muscles	_____ during exercise	Glycogen is broken down into _____



Independent Practice

Draw a line to match the condition with the change:

Increased heart rate

Increased breathing rate

Increased breathing depth

Increased blood volume

Decrease glycogen levels

More air in every breath

Pump more blood

More glucose ready for respiration

Pump blood faster

Intake of oxygen is faster

