



Word equation
for aerobic
respiration

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Glucose + oxygen
--> Carbon dioxide
+ water + energy

Chemical equation
for aerobic
respiration

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$C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O$

Anaerobic
respiration (in
muscle)

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A type of respiration that
occurs in the absence of
oxygen, producing lactic
acid and energy

Word equation for
anaerobic
respiration in muscle

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Glucose --> Lactic
acid + small
amount of energy





Anaerobic
respiration (in
micro-organisms)

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A type of respiration that occurs in the absence of oxygen, producing alcohol, carbon dioxide and energy

Word equation for
anaerobic
respiration in MOs

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Glucose \rightarrow Alcohol +
carbon dioxide + small
amount of energy

Factors affecting
respiration

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Temperature,
availability of
oxygen, glucose and
water

Aerobic
respiration

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Process by which glucose is broken down in the presence of oxygen, producing CO₂, H₂O and energy





Limewater

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Turns milky in the presence of carbon dioxide

Cellular respiration

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The process of releasing energy from food

Two types of respiration

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Aerobic respiration, anaerobic respiration

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