

Respiration What is respiration?	Respiration How is ATP made in respiration?
Respiration What does ATP do?	Respiration Word equation for aerobic respiration
Respiration Balanced symbol equation for aerobic respiration	Respiration Word equation for anaerobic respiration in animals
Respiration Word equation for anaerobic respiration in plants	Respiration Why does aerobic respiration release more energy than anaerobic?

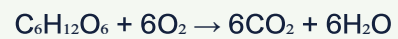
Energy released from the breakdown of glucose is used to join a phosphate group to ADP, making ATP.

The chemical process in cells that releases energy from food, such as glucose, and uses it to make ATP.

glucose + oxygen → carbon dioxide + water

ATP provides energy for cells, for example for muscle contraction, active transport and making large molecules.

glucose → lactic acid



Glucose is completely broken down in aerobic respiration, but only partly broken down in anaerobic respiration.

glucose → ethanol + carbon dioxide

Respiration

Does anaerobic respiration need oxygen?

Respiration

Why are boiled seeds used in the respiring seeds practical?

Respiration

What happens to hydrogen-carbonate indicator when seeds respire?

They are dead, so they act as a control and show that the changes are caused by living seeds.

No. Aerobic respiration needs oxygen; anaerobic respiration happens without it.

It changes from red/orange to yellow, because the seeds release carbon dioxide.