



## 3.5 Respiration

### WE ARE HERE

#### Glycolysis

You will learn where glycolysis fits into the overall process of respiration and the main stages of glycolysis and its products

#### The Link reaction and Krebs cycle

You will learn the products and sequence of the link reaction and Krebs cycle

#### Oxidative phosphorylation

You will learn how ATP is synthesised during this stage of respiration and how oxygen is used

#### VOCABULARY

Monomer  
Polymer  
Condensation  
Hydrolysis  
Saccharides

Glycosidic  
Ester  
Peptide

#### Anaerobic respiration

You will learn the how energy is released without oxygen as well as the products of anaerobic respiration

Respiration

This module builds on concepts studied in KS4 in much greater detail to understand the sequence of respiration and how energy is released using the mitochondria.

This module will build practical skills by investigating the rate of respiration of single cell cultures.