



3.6.4 Homeostasis

Homeostasis

Homeostasis and feedback

You learn how homeostasis is used to control factors in the body by way of positive and negative feedback

Control of blood glucose concentration

You will learn how hormones are used to control the concentration of glucose in the blood

Diabetes

You will learn how the different types of diabetes are triggered and how to test for diabetes using urine

The kidneys

You will learn how the kidneys filter the blood using ultrafiltration to remove waste products to produce urine

VOCABULARY

Homeostasis

Insulin

Glucagon

Glycogenesis

Glycogenolysis

Diabetes

Nephrons

Glomerulus

Cortex Medulla

Osmoregulation

Controlling blood water potential

You will learn how water is selectively reabsorbed in the nephron structure in the kidney

This module revisits topics concepts previously studied in GCSE such as responses to the environment. You will build on these topics greatly by developing your understanding of how internal environments are controlled using negative and positive feedback.

This module will