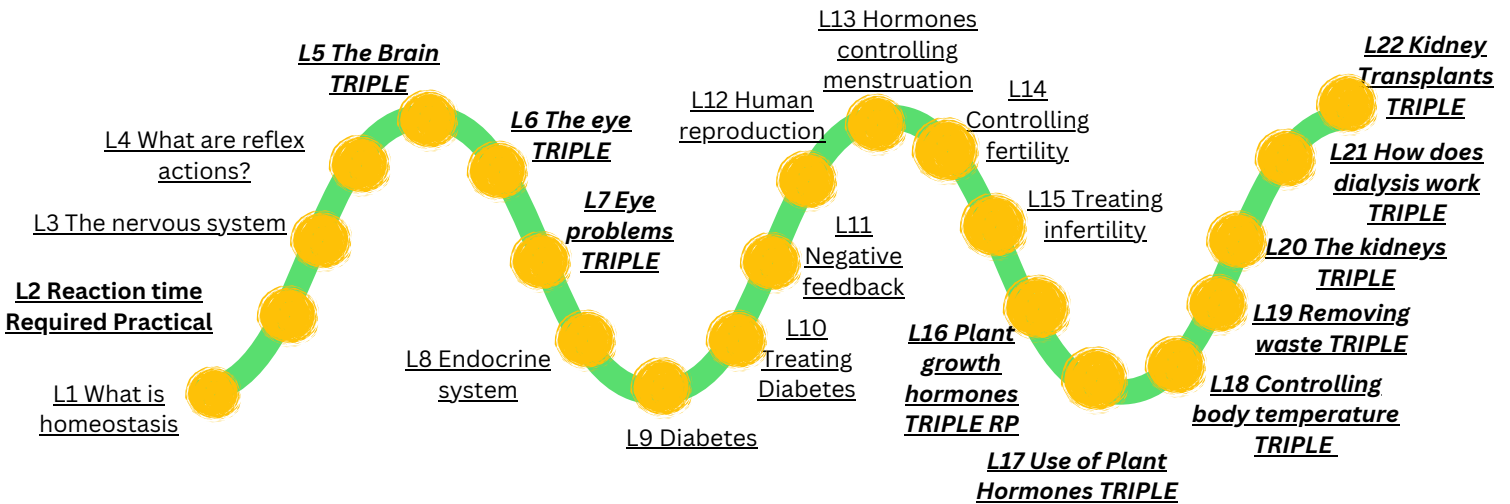


B5 Homeostasis and Response

Biology Paper 2

TRIPLE

In this unit you will learn how the body maintains a stable internal environment through homeostasis, including the regulation of temperature, water, and blood glucose levels. You will explore the roles of the nervous and hormonal systems in detecting and responding to changes, focusing on the structure and function of the brain, eye, and reflex arcs. The topic also covers the human endocrine system, including detailed mechanisms of menstrual cycle control and fertility treatments.



Key words

- Central nervous system CNS
- sensory neuron
- thermoregulatory centre
- cerebral cortex
- Effectors
- stimuli
- cerebellum
- Homeostasis
- adrenaline
- vasoconstriction
- ciliary muscles
- motor neuron
- contraception
- vasodilation
- hyperopia
- nerve
- endocrine system
- gibberellins
- medulla
- neurones
- FHS
- gravitropism
- myopia
- receptors
- glucagon
- phototropism
- suspensory ligaments
- reflex arcs
- hormones
- dialysis
- selective reabsorption
- ADH
- reflexes
- insulin
- reabsorption
- auxin
- oestrogen
- pituitary gland
- type 1 diabetes
- ovulation
- ovaries
- testosterone
- type 2 diabetes

Revision Resources

[Sample exam style questions](#)

[Cognito Topic 5 Homeostasis and Response](#)

[BBC Homeostasis and Response](#)

[Free Science Lessons](#)

[Seneca Learning](#)