

AQA Biology GCSE

5.1 - Homeostasis

Flashcards

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What is homeostasis?



What is homeostasis?

Homeostasis is the maintenance of a constant internal environment in order to maintain optimum conditions for enzyme and cellular function.



Give examples of conditions maintained
by homeostasis in the body



Give examples of conditions maintained by homeostasis in the body

- Blood glucose concentration
- Body temperature
- Water levels



What two types of responses are used in body control systems?



What two types of responses are used in body control systems?

Nervous and chemical



What three components do all control systems have?



What three components do all control systems have?

- Receptors
- Coordination centres
- Effectors



What is the function of a receptor?



What is the function of a receptor?

Receptors detect changes in the environment (stimuli).



What is the function of a coordination centre?



What is the function of a coordination centre?

Coordination centres obtain and process information from receptors.



What is the function of an effector?



What is the function of an effector?

Effectors (muscles or glands) bring about responses to stimuli.

