

Keywords: Spring 2

Science

Topic Title: Homeostasis and Response

Introduction to the topic: Homeostasis is how an organism responds to changes to maintain a constant internal environment. We will investigate all of the ways that homeostasis is maintained.

What lessons will you cover during the topic? Homeostasis and the nervous system, reaction time, endocrine and blood glucose, reproduction and contraception.

Keyword	Definition
homeostasis	The maintenance of a constant internal environment in the body.
hormones	Chemical messengers produced in glands and carried by the blood to specific organs in the body.
nervous system	Body system that includes the brain, spinal cord and nerves.
pituitary gland	An endocrine gland that is located just below the centre of the brain. It releases a number of important hormones.
receptor	Organ, tissue or cell that detects a stimulus.
effector	The organ, tissue or cell that produces a response.
hypothalamus	The part of the brain that detects changes in blood temperature and water concentration.
osmoregulation	A form of homeostasis which controls the volume of water in the body.