



Biology – Year 10 Useful Links



4.3 Infection and Response

Infection and Response Video Playlist BBC Bitesize	Infection and response - GCSE Biology (Single Science) - BBC Bitesize
Communicable Diseases	Pathogens - Communicable diseases - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Communicable Disease (2026/27 exams) GCSE Biology - Communicable Disease Viruses (2026/27 exams) GCSE Biology - Communicable Disease Bacterial Disease (2026/27 exams) GCSE Biology - Communicable Disease Protist & Fungal Disease (2026/27 exams)
Treating, curing and preventing disease	Vaccinations - Treating, curing and preventing disease - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Immune System & Defences Types of White Blood Cell (2026/27 exams) GCSE Biology - Vaccinations How Vaccines Work (2026/27 exams)
Monoclonal Antibodies (Triple)	Production of monoclonal antibodies - Higher Tier - Monoclonal antibodies - Higher - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Monoclonal Antibodies GCSE Biology - How do Pregnancy Tests Work?
Plant Disease (Triple)	Pathogens as causes of plant diseases - Plant disease - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Infection and Response Podcasts	GCSE Science podcasts - The organisation of plants and animals - BBC Bitesize
Sample Exam Questions – infection and response	Multiple choice questions - Sample exam questions - infection and response - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Physics and Maths Tutor – Infection and Response – Detailed Notes, Flashcards, Mind Maps, Exam Questions	AQA GCSE Biology Topic 3: Infection and Response Revision - PMT
Bitesize Quizzes (select relevant topic e.g. Communicable diseases activity 1")	Quizzes - GCSE Biology (Single Science) - BBC Bitesize
Free Science Lessons – Infection and Response Playlist	GCSE Biology Revision "Communicable and Non-Communicable Disease"

4.5 Homeostasis

Biological Response Video Playlist BBC Bitesize	Biological response - GCSE Biology (Single Science) - BBC Bitesize
The Nervous System	Homeostasis - Coordination and control - The nervous system - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize

	GCSE Biology - The Nervous System Reflex Arcs Explained (2026/27 exams)
The Endocrine System	Hormones and nerves - Coordination and control - The human endocrine system - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - The Endocrine System (2026/27 exams) GCSE Biology - Regulating Glucose Glucose & Glycogen & Glucagon Blood Glucose Graphs GCSE Biology - Diabetes Type 1 & Type 2 Diabetes (2026/27 exams)
Hormones in Human Reproduction	Reproductive hormones in the menstrual cycle - Hormones in human reproduction - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - The Menstrual Cycle & Puberty (2026/27 exams) GCSE Biology - Contraception Hormonal vs Non-Hormonal Contraception (2026/27 exams) GCSE Biology - Fertility Treatments IVF (2026/27 exams)
Homeostasis – temperature regulation and kidneys (Triple)	Body temperature and the thermoregulatory centre - Homeostasis in humans - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Plant Hormones (Triple)	Auxins and phototropism - Plant hormones - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Plant Hormones - Tropisms & Auxins GCSE Biology - Plant Hormones - Uses of Auxin, Gibberellin and Ethene
Homeostasis Podcasts	GCSE Science podcasts - Homeostasis - BBC Bitesize
Sample Exam Questions – Homeostasis and Response	Multiple choice questions - Sample exam questions - homeostasis and response - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Physics and Maths Tutor – Homeostasis and Response – Detailed Notes, Flashcards, Mind Maps, Exam Questions	AQA GCSE Biology Topic 5: Homeostasis and Response Revision - PMT
Bitesize Quizzes (select relevant topic e.g. The Nervous System)	Quizzes - GCSE Biology (Single Science) - BBC Bitesize
Free Science Lessons – Homeostasis Playlist	AQA GCSE Biology Paper 2 Homeostasis - YouTube

4.7 Ecology

Note: Some of Ecology topic was covered in Year 10

Adaptations, interdependence and competition	Communities - Adaptations, interdependence and competition - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Abiotic & Biotic Factors (2026/27 exams) GCSE Biology - Competition & Interdependence (2026/27 exams)
Organisation of an Ecosystem	Communities - Adaptations, interdependence and competition - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Food Chains & Predator-Prey Cycles (2026/27 exams) GCSE Biology - How Humans Reduce Biodiversity (2026/27 exams)

Decomposition	How the rate of decay affects key factors - Decomposition - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Carbon Cycle & Water Cycle (2026/27 exams) GCSE Biology - Maintaining Biodiversity Reducing Environment Impact (2026/27 exams) GCSE Biology - Global Warming Greenhouse Effect Explained (2026/27 exams) GCSE Biology - Deforestation & Land Use (2026/27 exams)
Trophic Levels in an Ecosystem	Trophic levels - Trophic levels in an ecosystem - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize GCSE Biology - Trophic Levels - Producers, Consumers, Herbivores & Carnivores (2026/27 exams) GCSE Biology - Pyramids of Biomass (2026/27 exams)
Food Production (Triple)	What factors affect food security? - Food production - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Ecology Podcasts	GCSE Science podcasts - Ecology - BBC Bitesize
Sample Exam Questions - Ecology	Multiple choice questions - Sample exam questions - ecology - AQA - GCSE Biology (Single Science) Revision - AQA - BBC Bitesize
Physics and Maths Tutor – Ecology – Detailed Notes, Flashcards, Mind Maps, Exam Questions	AQA GCSE Biology Topic 7: Ecology Revision - PMT
Bitesize Quizzes (select relevant topic e.g. Communicable diseases activity 1”)	Quizzes - GCSE Biology (Single Science) - BBC Bitesize
Free Science Lessons – Ecology Playlist	GCSE Biology Revision "Competition and Interdependence"

Year 10 Commonly Misspelt Words

Key Word	Definition
Anti-retroviral drugs	Drugs used in slowing down the replication of the HIV virus
Diabetes	A disorder where people cannot regulate their blood sugar level. There are two types (type 1 and type 2)
Digitalis	A traditional heart drug, originating from foxglove
Endocrine system	A system composed of glands which secrete chemicals called hormones directly into the bloodstream
Glucagon	A hormone produced by the pancreas that causes glycogen to be converted into glucose and released into the blood, when blood glucose concentration is too low
Glycogen	A storage carbohydrate, made of glucose
Gonorrhoea	A Sexually Transmitted disease caused by bacteria, that causes thick yellow/green discharge from the vagina or penis
Homeostasis	The maintenance of a constant internal environment of a cell or organism for optimum conditions, in response to internal and external changes
Insulin	A hormone produced by the pancreas that causes glucose to move from the blood into cells, when blood glucose concentration is too high
Lysozyme	This is an enzyme found in tears to kill pathogens
Mucus	This is a sticky substance produced in the nose/trachea/bronchi which causes pathogens to be trapped by it
Oestrogen	A female reproductive hormone produced in the ovary, which thickens the uterus lining
Pancreas	A gland which secretes digestive enzymes and hormones
Penicillin	An example of an antibiotic, which is a drug used to kill bacteria.
Phagocytosis	White blood cells engulf pathogens and digest them using enzymes
Pituitary gland	A 'master gland' found in the brain, which secretes several hormones into the blood in response to bod conditions
Progesterone	A female reproductive hormone produced in the ovary, which maintains the uterus lining
Synapse	The junction between two neurones, where a chemical is released from
Toxicity	If something is poisonous, this is checked for in drug trials
Vaccination	Introducing small quantities of dead or inactive forms of a pathogen into the body to stimulate white blood cells