

AQA Combined Science and Biology revision videos: Biology paper 1

| Topic | Subtopic | Video link |
|---------------------------------|---|---|
| Cell biology | Eukaryotes and prokaryotes | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/eukaryotes-and-prokaryotes/ |
| | Sizes of cells | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/sizes-of-cells/ |
| | Order of magnitude | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/order-of-magnitude/ |
| | Animal cells | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/animal-cells/ |
| | Plant cells | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/plant-cells/ |
| | Animal cell specialisation | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/animal-cell-specialisation/ |
| | Plant cell specialisation | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/plant-cell-specialisation/ |
| | Required Practical: Microscopes | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/required-practical-1-microscopes/ |
| | Microscopy | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/microscopy/ |
| | Bacterial Division (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/bacterial-division-triple/ |
| | Required practical: Culturing microorganisms (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/required-practical-2-culturing-microorganisms-triple/ |
| | Cell division by mitosis | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/cell-division-by-mitosis/ |
| | Stem cells | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/stem-cells/ |
| | Diffusion | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/diffusion/ |
| | Surface area to volume ratio | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/surface-area-to-volume-ratio/ |
| | Osmosis | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/osmosis/ |
| | Required practical: Effects of osmosis on plant tissue | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/required-practical-3-effects-of-osmosis-on-plant-tissue/ |
| Active transport | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/cell-biology/active-transport/ | |
| Organisation | The digestive system | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/the-digestive-system/ |
| | Digestive enzymes | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/digestive-enzymes/ |
| | Effect of temperature and pH on enzymes | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/effect-of-temperature-and-ph-on-enzymes/ |
| | Required practical: Food tests | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/required-practical-4-food-tests/ |
| | Required practical: Effect of pH on amylase | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/required-practical-5-effect-of-ph-on-amylase/ |
| | Absorption in the small intestine | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/absorption-in-the-small-intestine/ |
| | The heart and circulation | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/the-heart-and-circulation/ |
| Arteries, veins and capillaries | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/arteries-veins-and-capillaries/ | |

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| | The blood | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/the-blood/ |
| | Cardiovascular diseases | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/cardiovascular-diseases/ |
| | Gas exchange in the lungs | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/gas-exchange-in-the-lungs/ |
| | Cancer | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/cancer/ |
| | Communicable and non-communicable disease | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/communicable-and-non-communicable-diseases/ |
| | Correlating risk factors | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/correlating-risk-factors/ |
| | Lifestyle and disease | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/lifestyle-and-disease/ |
| | Plant tissues | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/plant-tissues/ |
| | Transpiration | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/organisation/transpiration/ |
| Infection and response | Communicable and non-communicable diseases | https://www.freesciencelessons.co.uk/communicable-and-non-communicable-diseases/ |
| | Pathogens | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/pathogens/ |
| | Measles and HIV | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/measles-and-hiv/ |
| | Salmonella and gonorrhoea | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/salmonella-and-gonorrhoea/ |
| | Malaria | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/malaria/ |
| | Non-specific defence systems | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/non-specific-defence-systems/ |
| | The immune system | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/the-immune-system/ |
| | Infectious diseases in plants | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/infectious-diseases-in-plants/ |
| | Vaccination | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/vaccination/ |
| | Antibiotics | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/antibiotics/ |
| | Testing medicines | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/testing-medicines/ |
| | Monoclonal antibodies (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/monoclonal-antibodies-triple/ |
| | Uses of monoclonal antibodies (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/uses-of-monoclonal-antibodies-triple/ |
| | Plant diseases (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/plant-diseases-2-triple/ |
| Plant defence responses (Biology only) | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/infection-and-response/plant-defence-responses-triple/ | |
| Bioenergetics | Photosynthesis | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/photosynthesis/ |
| | Uses of glucose from photosynthesis | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/uses-of-glucose-from-photosynthesis/ |
| | Required practical: Photosynthesis | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/required-practical-6-photosynthesis/ |
| | Limiting factors | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/limiting-factors/ |
| | Respiration | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/respiration/ |
| | Exercise | https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/exercise/ |

Metabolism

<https://www.freesciencelessons.co.uk/gcse-biology-paper-1/bioenergetics/metabolism/>