

Qualification: Combined science: Biology foundation

What will be assessed in 2022?

Paper 1:

4.1.2 Cell division

4.2.2 Animal tissues, organs and organ systems

4.3.1 Communicable diseases

4.4.1 Photosynthesis

Required practical activity 1: use of a light microscope.

Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins.

Required practical activity 5: investigate the effect of light on the rate of photosynthesis of an aquatic plant such as pondweed

Paper 2:

4.5.3 Hormonal control in humans

4.6.1 Reproduction

4.7.1 Adaptations, interdependence and competition

4.7.2 Organisation of an ecosystem

Required practical activity 7: measure the population size of a common species in a habitat. Use sampling techniques to investigate the effect of a factor on the distribution of this species.

Topics not explicitly given in any list may appear in low tariff questions or via 'linked' questions. Linked questions are those that bring together knowledge, skills and understanding from across the specification.

What won't be assessed in 2022?

Paper 1:

4.1.3.2 Osmosis

4.1.3.3 Active transport

4.2.2.4 Coronary heart disease: a non-communicable disease

4.4.1.3 Uses of glucose from photosynthesis

4.4.2 Respiration

Paper 2:

4.5.2 The human nervous system

4.5.3.3 Hormones in human reproduction

4.5.3.4 Contraception

4.6.1.1 Sexual and asexual reproduction

4.6.1.2 Meiosis

4.6.1.6 Sex determination

4.6.2.1 Variation

4.6.2.2 Evolution

4.6.2.3 Selective breeding

4.6.3.3 Extinction

4.6.3.4 Resistant bacteria

4.7.1.4 Adaptations

4.7.3.1 Biodiversity

4.7.3.3 Land use

4.7.3.4 Deforestation

4.7.3.5 Global warming

4.7.3.6 Maintaining biodiversity

Additional support provided by the exam board for the 2022 year only? None