

Trauma 999 Curriculum Links for Edexcel GCSE Biology

Topic 1 – Key concepts in biology
Topic 2 – Cells and control
Topic 5 – Health, disease and the development of medicines
Topic 8 – Exchange and transport in animals

Topic 1 – Key concepts in biology

1.7 Explain the mechanism of enzyme action including the active site and enzyme specificity

Topic 2 – Cells and control

2.12B Explain some of the limitations in treating damage and disease in the brain and other parts of the nervous system, including spinal injuries and brain tumours

2.13 Explain the structure and function of sensory receptors, sensory neurones, relay neurones in the CNS, motor neurones and synapses in the transmission of electrical impulses, including the axon, dendron, myelin sheath and the role of neurotransmitters

Topic 5 – Health, disease and the development of medicines

5.1 Describe health as a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity, as defined by the World Health Organization (WHO)

Topic 8 – Exchange and transport in animals

8.6 Explain how the structure of the blood is related to its function:
a red blood cells (erythrocytes)
b white blood cells (phagocytes and lymphocytes)
c plasma
d platelets