

Trauma 999 Curriculum Links for AQA AS (7401) and A-Level Biology (7402)

3.3.4 Mass transport

3.6.2 Nervous coordination

3.6.4 Homeostasis is the maintenance of a stable internal environment

3.3.4 Mass transport

The role of haemoglobin and red blood cells in the transport of oxygen.

3.6.2 Nervous coordination

The establishment of a resting potential in terms of differential membrane permeability, electrochemical gradients and the movement of sodium ions and potassium ions.

Changes in membrane permeability lead to depolarisation and the generation of an action potential.

Factors affecting the speed of conductance: myelination and saltatory conduction

3.6.4 Homeostasis is the maintenance of a stable internal environment

Homeostasis in mammals involves physiological control systems that maintain the internal environment within restricted limits.