

Nervous coordination and muscles

Specification reference	Checklist questions	
3.6.2.1	Can you distinguish between nervous and hormonal coordination?	<input type="checkbox"/>
3.6.2.1	Can you describe the structure of a myelinated motor neurone?	<input type="checkbox"/>
3.6.2.1	Can you describe the different types of neurone?	<input type="checkbox"/>
3.6.2.1	Can you describe the nature of the resting potential?	<input type="checkbox"/>
3.6.2.1	Can you explain how a resting potential is established in a neurone?	<input type="checkbox"/>
3.6.2.1	Can you explain what an action potential is?	<input type="checkbox"/>
3.6.2.1	Can you explain how an action potential passes along an unmyelinated axon?	<input type="checkbox"/>
3.6.2.1	Can you explain how an action potential passes along a myelinated axon?	<input type="checkbox"/>
3.6.2.1	Can you describe the factors that affect the speed of conductance of an action potential?	<input type="checkbox"/>
3.6.2.1	Can you explain what is meant by the refractory period?	<input type="checkbox"/>
3.6.2.1	Can you explain the role of the refractory period in separating one impulse the next?	<input type="checkbox"/>
3.6.2.1	Can you explain the meaning of the all-or-nothing principle?	<input type="checkbox"/>
3.6.2.2	Can you describe the structure of a synapse?	<input type="checkbox"/>

Specification reference	Checklist questions	
3.6.2.2	Can you describe the functions that synapses perform?	<input type="checkbox"/>
3.6.2.2	Can you explain how information is transmitted across a synapse?	<input type="checkbox"/>
3.6.3	Can you describe the gross and microscopic structure of a skeletal muscle?	<input type="checkbox"/>
3.6.3	Can you describe the ultrastructure of a myofibril?	<input type="checkbox"/>
3.6.3	Can you explain how actin and myosin are arranged within a myofibril?	<input type="checkbox"/>
3.6.3	Can you explain what is meant by antagonistic muscles and how they operate?	<input type="checkbox"/>
3.6.3	Can you summarise the evidence that support the sliding filament mechanism of muscle contraction?	<input type="checkbox"/>
3.6.3	Can you explain how the sliding filament mechanism causes a muscle to contract and relax?	<input type="checkbox"/>
3.6.3	Can you state where the energy for muscle contraction comes from?	<input type="checkbox"/>