

## AQA Biology

## Homeostasis

Specification reference	Checklist questions	
3.6.4.1	Can you describe the nature of homeostasis?	<input type="checkbox"/>
3.6.4.1	Can you explain the importance of homeostasis?	<input type="checkbox"/>
3.6.4.1	Can you explain how control mechanisms work?	<input type="checkbox"/>
3.6.4.1	Can you explain how control mechanisms are coordinated?	<input type="checkbox"/>
3.6.4.1	Can you explain what negative feedback is?	<input type="checkbox"/>
3.6.4.1	Can you explain how negative feedback helps to control homeostatic processes?	<input type="checkbox"/>
3.6.4.1	Can you distinguish between negative feedback and positive feedback?	<input type="checkbox"/>
3.6.4.2	Can you explain how hormones work?	<input type="checkbox"/>
3.6.4.2	Can you explain the roles of the pancreas and liver in regulating blood glucose?	<input type="checkbox"/>
3.6.4.2	Can you outline the factors which influence blood glucose concentration?	<input type="checkbox"/>
3.6.4.2	Can you explain the roles of insulin, glucagon, and adrenaline in regulating blood glucose?	<input type="checkbox"/>
3.6.4.2	Can you describe the two main types of diabetes and how they differ?	<input type="checkbox"/>
3.6.4.2	Can you explain how each type of diabetes can be controlled?	<input type="checkbox"/>

Specification reference	Checklist questions	
3.6.4.3	Can you describe the structure of the mammalian kidney?	<input type="checkbox"/>
3.6.4.3	Can you describe the structure of the nephron?	<input type="checkbox"/>
3.6.4.3	Can you describe the ultrafiltration and the production of glomerular filtrate?	<input type="checkbox"/>
3.6.4.3	Can you explain the reabsorptions of water by the proximal convoluted tubule?	<input type="checkbox"/>
3.6.4.3	Can you explain how a gradient of sodium ions in the medulla of the loop of Henle is maintained?	<input type="checkbox"/>
3.6.4.3	Can you explain the role of the distal convoluted tubule and collecting duct in the reabsorption of water?	<input type="checkbox"/>
3.6.4.3	Can you explain how the water potential of the blood is regulated?	<input type="checkbox"/>
3.6.4.3	Can you describe the roles of the hypothalamus, posterior pituitary and antidiuretic hormone (ADH) in osmoregulation?	<input type="checkbox"/>