Revision summary

Use the following summary of syllabus dot points and key knowledge within Module 8 to ensure that you have thoroughly reviewed the content. Provide a brief definition or comment for each item to demonstrate your understanding or code them using the traffic light system – green (all good), amber (needs some review), red (priority area to review). Alternatively, write a follow-up strategy.

Homeostasis: How is an organism's internal environment maintained in response to a changing external environment?	
Negative feedback loops in thermoregulation	
Negative feedback loops in glucose homeostasis	
Negative feedback loops in osmoregulation	
Behavioural adaptations in endotherms	
Structural adaptations in endotherms	
Physiological adaptations in endotherms	
Hormones in homeostasis	
Neural pathways in homeostasis	
Water balance in plants	››

››	**Causes and effects: Do non-infectious diseases cause more deaths than infectious diseases?**	
	Genetic diseases	
	Diseases caused by environmental exposure	
	Nutritional diseases	
	Cancer	
	Autoimmune diseases	
	Collect and represent data for nutritional diseases and diseases caused by environmental exposure	
	Epidemiology: Why are epidemiological studies used?	
	Analyse patterns of nutritional diseases in populations	
	Analyse patterns of environmental diseases in populations	
	Analyse patterns of genetic diseases in populations	
	Treatment, management and future directions of research for type 2 diabetes	
	Evaluate the design of a cohort study	
	Evaluate the design of a case-control study	
	Evaluate the benefits of engaging in an epidemiological study	››

››	**Prevention: How can non-infectious diseases be prevented?**	
	Evaluate the effectiveness of public education programs in preventing non-infectious diseases	
	Evaluate the effectiveness of genetic engineering in preventing non-infectious diseases	
	Evaluate the effectiveness of population screening in preventing non-infectious diseases	
	Technologies and disorders: How can technologies be used to assist people who experience disorders?	
	The structure and function of the ear	
	Causes of hearing disorders	
	Technologies used to assist with hearing loss	
	The structure and function of the eye	
	Causes of vision disorders	
	Technologies used to assist with vision disorders	
	The structure and function of the kidney	
	Causes of kidney disorders	
	Technologies used to assist with kidney disorders	
	Evaluate the effectiveness of haemodialysis	