

Revision summary

Use the following summary of syllabus dot points and key knowledge within Module 7 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.

Causes of infectious disease: How are diseases transmitted?	
Different types of cellular and non-cellular pathogens	
Transmission of a disease during an epidemic	
Modes of transmission of infectious diseases	
Contributions of Robert Koch and Louis Pasteur	
Causes and effects of diseases on agricultural production	
Adaptations of different pathogens that facilitate their entry into and transmission between hosts	
Responses to pathogens: How does a plant or animal respond to infection?	
Response of a named Australian plant to a fungal or viral pathogen	
Physical or chemical changes that occur in the cells and tissues of animals in the presence of pathogens	
Immunity: How does the human immune system respond to exposure to a pathogen?	
Response of immune system after primary exposure to a pathogen, including innate and acquired immunity	
Adaptive immune system: <ul style="list-style-type: none"> • antibody-mediated immunity • cell-mediated immunity 	

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»» Prevention, treatment and control: How can the spread of infectious diseases be controlled?	
Factors involved in limiting local, regional and global spread of a named infectious disease	
Preventing the spread of disease: <ul style="list-style-type: none"> • hygiene practices • quarantine • vaccination (active immunity) • passive immunity • public health campaigns • use of pesticides • genetic engineering 	
Antivirals and antibiotics	
Environmental management and quarantine methods used to control an epidemic or pandemic	
Incidence and prevalence of infectious disease	
Malaria in South-East Asia	
Historical, culturally diverse and current strategies used to predict and control the spread of disease	
Bush medicines and the importance of recognising and protecting Indigenous cultural and intellectual property	