

10 Infectious disease – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

10.1 An organism that lives in or on a host and causes harm (disease).

10.2 (a) a protoctist \ (b) a virus \ (c) a bacterium.

10.3 By airborne droplets from coughs and sneezes.

10.4 A vector is a carrier that passes a pathogen from one host to another; the mosquito carries the malaria parasite from an infected person to a healthy one when it bites.

10.5 Provide clean water / proper sewage treatment / good hygiene.

10.6 Mosquitoes breed (lay eggs) in still water; removing it stops them breeding, so there are fewer mosquitoes to spread malaria.

10.7 Cholera spreads through water or food contaminated with faeces, so it is controlled with clean water and proper sewage. Tuberculosis spreads by airborne droplets from coughs, so it is controlled by treating patients and reducing overcrowding. Because the routes of spread differ, the controls must target each route.