

Health and disease: practice questions

4 questions • 8 marks • mark scheme at the back

For Edexcel GCSE Biology 1BI0 and Combined Science 1SC0. **Triple only** is not in Combined Science. **Higher tier** is only on the Higher paper.

Name

Total / 8

1 Which statement matches the World Health Organization (WHO) definition of health? **[1 mark]**

- A. ☐ The absence of disease or infirmity
- B. ☐ A state of complete physical, mental and social well-being
- C. ☐ Being physically fit and able to exercise
- D. ☐ Having a healthy diet and not smoking

2 Describe the difference between a communicable disease and a non-communicable disease. **[2 marks]**

3 People with HIV are more likely to develop tuberculosis (TB). Explain why. **[3 marks]**

4 A study of 500 people found that those with a long-term skin condition had more infections than those without. A student says that the skin condition causes the infections. Give one reason why the student may be right and one reason why the conclusion cannot be certain. **[2 marks]**

Mark scheme

One mark for each point unless a maximum is given. Words in brackets are not needed for the mark.

1. [1]

B B (1)

2. [2]

- a communicable disease can be passed from one organism to another / is caused by a pathogen (1)
allow infectious
- a non-communicable disease cannot be passed on / is not caused by a pathogen (1)

3. [3]

- HIV destroys white blood cells (1)
- so the immune system is weakened / fewer antibodies are made (1)
- so the bacteria that cause TB are not destroyed / the body cannot fight the infection (1)

4. [2]

- the damaged skin is a weaker barrier / allows pathogens to enter (1)
- a correlation does not prove cause / another factor could explain both / the sample may not be representative (1)