

GCSE Biology B (Twenty First Century Science)
J257/01 Breadth in Biology (Foundation)

Question Set 20

Multiple Choice Questions

1. (a) Read the newspaper article.

Scarlet fever cases increase

The number of scarlet fever cases is increasing. The number of confirmed cases in 2016 is reported to be > 19 000, the highest level in 50 years.

- (a) The article states that > 19 000 cases were reported in 2016.

What does the '>' in this statement mean?

greater than

[1]

- (b) Look at the data in the table showing the number of confirmed cases of scarlet fever.

Year	Number of confirmed cases of scarlet fever
2013	4700
2014	15 637
2016	19 206

Explain why doctors and scientists may be concerned by the data in the table. [2]

- increase in the number of confirmed cases with improving treatment & care
- article doesn't mention where the data are collected from

- (c) Calculate the percentage increase in the number of cases from 2013 to 2014.

Put a ring around the correct answer.

23% 30% 233% 333%

[1]

- (d) Scarlet fever is common in children under 10 years old.

- (i) Scarlet fever is a bacterial infection. It is transmitted easily by close contact.

How could the spread of this infection be reduced?

minimising contact with much people, social distancing, quarantine [2]

- (ii) Doctors could prescribe some medication to treat this infection.

Write down **one** factor that doctors will consider before prescribing this treatment

any allergic reactions patient could have if they do have allergies [1]

(iii) Which of the following diseases is also caused by bacteria?

Tick (✓) **one** box.

Athlete's foot

HIV

Malaria

Salmonella food poisoning

[1]

Total Marks for Question Set 20: 8

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