

**AQA, OCR, Edexcel**

# GCSE Science

## GCSE Biology

### Vaccination Questions

Name:

**M M E**

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Total Marks: /22

Q1: Explain what a vaccine is.

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(1 mark)

Q2: Describe the differences in immune response between first infection and secondary infection.

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(4 marks)

Q3: What is an antigen?

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(1 mark)

Q4: What is an antibody?

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(1 mark)

Q5: Give 2 examples of diseases, which can be immunised against.

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(2 marks)

Q6: Give an example of a disease that has been wiped out through a successful vaccination program.

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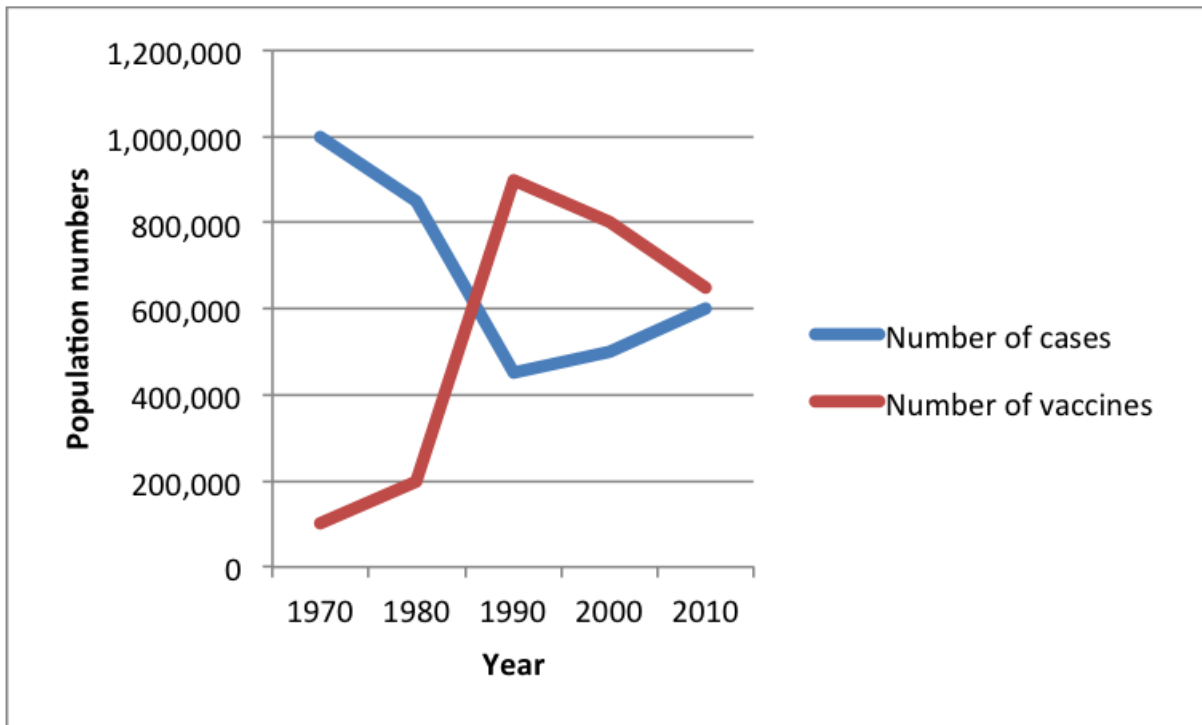
(1 mark)

Q7: Explain why a large vaccine uptake prevents the spread of disease.

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(1 mark)

Q8: The graph shows the uptake in the Tb vaccine. Discuss the correlation between the number of cases and the uptake of vaccination.



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(2 marks)

Q9: Define what is meant by herd immunity.

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(1 mark)

Q10: Measles has yet to be eradicated. What percentage herd immunity does the WHO require to declare measles eradicated?

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(1 mark)

Q11: Why is measles difficult to herd immunise against to achieve eradication.

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(2 marks)

Visit <http://www.mathsmadeeasy.co.uk/> for more fantastic resources.

Q12: Developing countries are often difficult to vaccinate in. Explain why.

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(5 marks)