

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Viral Diseases Answers

Name:

M M E

Mathsmadeeasy.co.uk

Total Marks: /20

Q1: What is the difference between a virus and a bacteria?

A= Virus can only reproduce inside the host cell.

(1 mark)

Q2: What are the main symptoms of measles?

A= 1 mark for each of the following:

- Fever
- Rash

(2 marks)

Q3: Explain how measles is spread.

A= Inhaling droplets from coughs/ sneezes.

(1 mark)

Q4: The numbers of cases of measles are now low in the UK. Discuss the reasons for this.

A= 1 mark for each of the following points:

- Better living conditions
- Vaccination Program

(2 marks)

Q5: How can a population eradicate measles?

A= Vaccinate all the population.

(1 mark)

Q6: Measles is what type of disease? Tick one.

Genetic

Infectious

None Infectious

A= Infectious

Awarded for clearly ticked box any mistakes must be clearly crossed out

(1 mark)

Q7: Explain how HIV is transmitted.

A= Sexually transmitted/ exchange of bodily fluids

(1 mark)

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

Q8: Discuss the link between HIV and AIDS.

A 1 mark for HIV / 1 mark for AIDS point:

- HIV – Infection – damages immune system
- AIDS – Badly damaged immune system

(2 marks)

Q9: If left untreated what other conditions can a HIV/ AIDS patient develop and why.

A= 1 mark for each of the following

- No immune system / ineffective
- Cancers
- Infections

(3 marks)

Q10: Give 2 ways of preventing the spread of HIV.

A= Accept any 2 of the following:

- Education
- Condoms
- Abstinence
- Not sharing needles
- Screen blood transfusions
- HIV positive mothers – not breast feed

(2 marks)

Q11: Tobacco mosaic virus is an infectious plant disease. Explain why plants affected often have stunted growth.

A= can't photosynthesise

(1 mark)

Q12: Explain what vector transmits Tobacco mosaic virus.

A= Seeds

(1 mark)

Q13: What ways can farmers prevent the spread of tobacco mosaic virus?

A= Accept any 2 of the following:

- Genetically modified crops/ resistant crops
- Good field hygiene
- Pest control

(2 marks)