

**GCSE Biology B (Twenty First Century Science)**  
**J257/02** Depth in Biology (Foundation)

**Question Set 16**

1 Human health can be affected by disease.

(a) Complete the sentences to describe the relationship between health and disease.

Use words from the list.

Each word can be used once, more than once, or not at all.

**genes**                      **lifestyle**                      **pathogens**                      **symptoms**

Health can be affected by diseases that are passed from a sick adult to a healthy adult. These diseases are caused by .....

Health can be affected by diseases that are inherited.

These diseases are caused by a person's .....

Health can be affected by diseases that **cannot** be passed from one person to another. These diseases are caused by a person's .....

[3]

(b) Complete the table to describe common human diseases.

Disease	Type of microorganism that causes the disease	How the microorganism is spread
HIV/AIDS	.....	..... .....
Malaria	Protist	..... .....
<i>Salmonella</i>	.....	In food that is eaten

[4]

(c) Jane has been infected with influenza.

Explain how she could have become infected with the influenza virus **and** how her immunesystem will respond to it.

[6]

**Total Marks for Question Set 16: 13**

---

# OCR

Oxford Cambridge and RSA

## **Copyright Information**

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge