

OCR, Edexcel

A Level

A Level Biology

**Pathogens and Disease
Questions**

Name:

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Total Marks: /24

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Disease

1. The body can be affected by a number of different types of diseases each of which can manifest themselves in a number of ways.

a) i) What is meant by the term health? (2 marks)

b) Disease can be caused by a number of different factors.

i) What is the difference between the following disease causing agents; pathogens and parasites? (2 marks)

ii) Using the examples below, indicate whether they are considered to be pathogens and parasites. (6 marks)

Bacteria	Fleas	Virus
Tapeworm	Roundworms	
Fungi		

iii) Draw a line from each pathogen to the disease which they can cause. (4 marks)

Bacteria	Athlete's Foot
Virus	Malaria
Protoctista	Tuberculosis
Fungi	Influenza

iv) Identify two possible causes of lungs cancer. (2 marks)

v) Identify three other factors that can cause disease. (3 marks)

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2. Many diseases have a huge impact globally, some examples of these are HIV, malaria and cholera.

a) Malaria affects over 200 million people worldwide, particularly in developing countries.

i) What parasite causes malaria? (1 mark)

ii) Mosquitoes are vectors of disease. What is meant by the term vector in the context of malaria? (2)

b) Many of the world's most prevalent and infectious diseases are more common in developing areas of the world.

i) Suggest two reasons why diseases such as HIV and cholera are more prevalent in developing countries? (2 marks)