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## QUESTION WORKBOOK

# Pathogens and non-specific defences

Pathogens, disease and immunity · Unit B11

AQA 3.2.4 · OCR A 4.1.1 · Edexcel A Topic 6.5 · CAIE 11.1

6 questions · 21 marks

PRINT EDITION

**SECTION A** · Short, 1 to 2 marks

- A1** Give one named human disease caused by a bacterium and one named human disease caused by a protist. [2]

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**SECTION B** · Standard, 3 to 5 marks

- B1** Describe the stages of phagocytosis, in order, from the phagocyte approaching a bacterium to the display of its antigens. [5]

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- B2** Compare physical barriers with chemical barriers as defences against infection, using a named example of each. [4]

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- B3** A drug prevents lysosomes from fusing with phagosomes inside a phagocyte. Suggest how this would affect a patient's response to a bacterial infection. [4]

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- B4** Explain why an antibiotic that cures tuberculosis has no effect whatever on influenza. [3]

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- B5** Explain how inflammation at the site of an infection helps the body to clear the pathogen. [3]

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