



# Immune System & Physical and Chemical Barriers

1 Name two physical barriers that humans have to prevent invasion by pathogens and explain how they work.

a) .....

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b) .....

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[ 6 marks ]

2 Name a chemical barrier that humans have to prevent invasion by pathogens and explain how it works.

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[ 2 marks ]

3 If a pathogen does make it inside the body, then the immune system takes over

a) What type of cell is responsible for carrying out the immune response?

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[ 1 mark ]

b) What is the difference between antibodies and antigens?

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[ 2 marks ]

c) What is phagocytosis?

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[ 5 marks ]

d) How do antitoxins work?

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*[ 1 mark ]*

e) What are antibodies?

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.....  
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*[ 2 marks ]*

*[ Total 15 marks ]*