**Review Worksheet: Internal Non-Specific Defences**

**Name: ……………………………………………………………..**

*Do these questions, using your learning resources. Look at the “marks” to give you an idea of the level of detail required in the response (formative only – does not count towards your grade). At the end, mark your work, correct it, and fill in the reflection section. Questions marked \* require you to use reasoning, inferring and application of knowledge, or perhaps extra research to get the answer. It won’t be right there in the text.*

1: List the FIVE key non-specific internal defences the body uses to react to foreign substances or tissue damage:

(5 marks)

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2: What type of blood cells are Natural Killer Cells (NKC), and what specific type of cell are they related to?

(1 mark)

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3: How do NKC neutralise pathogens?

(3 marks)

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4: What stops NKC from damaging healthy cells?

(4 marks)

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5: What is a phagocyte? What cell type are they? Give specific examples of phagocytes.

(4 marks)

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6: How do phagocytes get to the site of injury or diease?

(3 marks)

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7: When does the process of Inflammation occur, and what is its function?

(2 marks)

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8: Describe the steps of inflammation in detail, from the moment of tissue injury until the stage is set for tissue healing.

(10 marks – from 11 possible marks)

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9: Important signs of inflammation are redness, heat, swelling and pain. Explain why these occur during inflammation:

(5 marks)

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10: Fever is part of the body’s generalised immune response to infection. What is the purpose of raising body temperature in response to infection?

(1 mark)

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11: What are pyrogens, and what is their effect?

(2.5 marks)

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12: How does the body respond to the higher homeostatic set point for temperature caused by the pyrogens?

(3.5 marks)

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13: What happens after the infection has been dealt with and pyrogens are no longer produced?

(1 mark)  
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14: How does the body respond when set point returns to normal?

(2 marks)

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15: What are some possible negative consequences of the fever response?

(1 mark)

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16: What is the lymphatic system and how does it work?

(3 marks)

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17: What is the function of the lymph nodes in internal non-specific defence against disease?

(5 marks)

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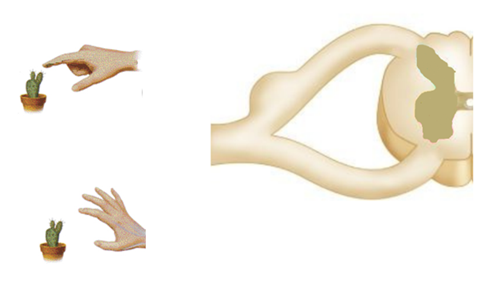
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18: Draw and label the parts of the reflex arc on the diagram below:

(6 marks – half mark per label)



Go back and mark your work using the marking key provided. What score did you get? /64

*I included enough detail in my answers.*



*I was able to find information in the text/powerpoint presentation.*

*I was able to reason and infer where the information wasn’t directly in the text (questions with \*).*

*I marked my work and wrote down any answers where I missed marks.*