**Review Worksheet: Intro to Immune System, External 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: What is a pathogen? List two categories of pathogens.

(2 marks)

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2: Are all infectious diseases contagious/communicable? Explain your answer.

(3 marks)

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3: What is the name given to harmless bacteria that naturally exist on or in the body?

(1 mark)

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4: Which bacterium causes a fatal respiratory disease in babies?

(1 mark)

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5: What shape are the following bacterial types?

(1 mark)  
  
 Cocci: *………………………………………………………………*

Bacilli: *………………………………………………………………*

6: How do viruses differ from cellular organisms?\*

(2 marks)

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7: List two viral diseases that are now extremely rare due to vaccination.

(1 mark)

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8: How do viruses replicate?

(4 marks)

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9: Not all viruses are pathogenic. What is one helpful use for viruses in human health?\*

(1 mark)

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10: Define each of the following forms of disease transmission and give an example of a disease that is transmitted in this way:

(10 marks)

|  |  |  |
| --- | --- | --- |
| **Mode of Transmission** | **Definition** | **Disease** |
| Contact |  |  |
| Transfer of body fluids |  |  |
| Droplet/airborne/aerosol infection |  |  |
| Ingestion |  |  |
| Vector Transmission |  |  |

11: List external defences against disease, and how each prevents disease entry:

(7 marks)

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12: List protective reflexes and how each expels pathogens:  
(4 marks)

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13: Discuss equipment and behaviours that would help minimise the spread of a respiratory illness:

(5 marks) …………………………………………………………………………………………………………………….

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14: Describe in detail how the interactions between the hypothalamus and the anterior and posterior pituitary so that hormones can be released into the systemic circulation.

(8 marks)

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Go back and mark your work using the marking key provided. What score did you get? /50

*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.*