1. Name the five main types of pathogens
2. Give an example of a vector and the disease it causes
3. List three diseases caused by viruses and three caused by bacteria
4. Describe how the lungs are protected from micro-organisms
5. How are the eyes protected from pathogens?
6. Describe the role of platelets and plasma in clotting blood
7. What are the differences and similarities between a phagocyte, a leucocyte and a macrophage?
8. Name the two chemicals secreted by a mast cell during inflammation. Describe the role of each chemical during inflammation.
9. Why is inflammation characterised by swelling and redness?
10. What is pus?
11. Describe the structure of a lymph node and indicate where the nodes are clustered in your body.
12. What role do lymph nodes play in protecting the body?
13. How is lymph formed?
14. How is lymph ‘pumped’ around the body?
15. What is an analgesic?

|  |  |  |  |
| --- | --- | --- | --- |
| **Time (seconds)** | **Percentage of plate covered** | **Number of bacterial species** | **Number of pathogenic species** |
| 0 | 0 | - | - |
| 5 | 78 | 4 | 0 |
| 10 | 80 | 4 | 0 |
| 30 | 83 | 5 | 0 |
| 60 | 81 | 4 | 0 |
| 180 | 97 | 7 | 0 |
| 1 hour | 99.5 | 11 | 1 |

What can be concluded from these results?