**IB Storyboard Activity – Immune response**

These images tell the story of how lymphocytes protect the body from infection of bacteria. Write a commentary next to each image to explain the antibody response :

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|  | * An IB student has cut their finger on a sheet of difficult past paper questions. Normally the skin is a physical barrier to infection, it stops bacteria from entering the body. This cut is a way into the body for bacteria
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|  | * Bacteria have entered the cut but fortunately, cells of the immune system detect the bacteria? Explain the role of antigens

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|  | * There are many cells in the blood. Two types of blood cell help the body to destroy the bacteria Name the two cell types & their functions.

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|   | * Many types of lymphocyte produce one type of antibody each. Why are there so many different types of lymphocyte in the blood?

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|  **Lymphocyte clones** | * One type of lymphocyte produces an antibody which attaches to the antigens of the bacteria. What does it do?

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|  | * The antibodies are produced in large numbers and attach to the antigens of the bacteria. How does this help to protect the body from the bacteria?

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|  | * Phagocytic leucocytes to complete the destruction of the bacteria. Explain what they do.

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