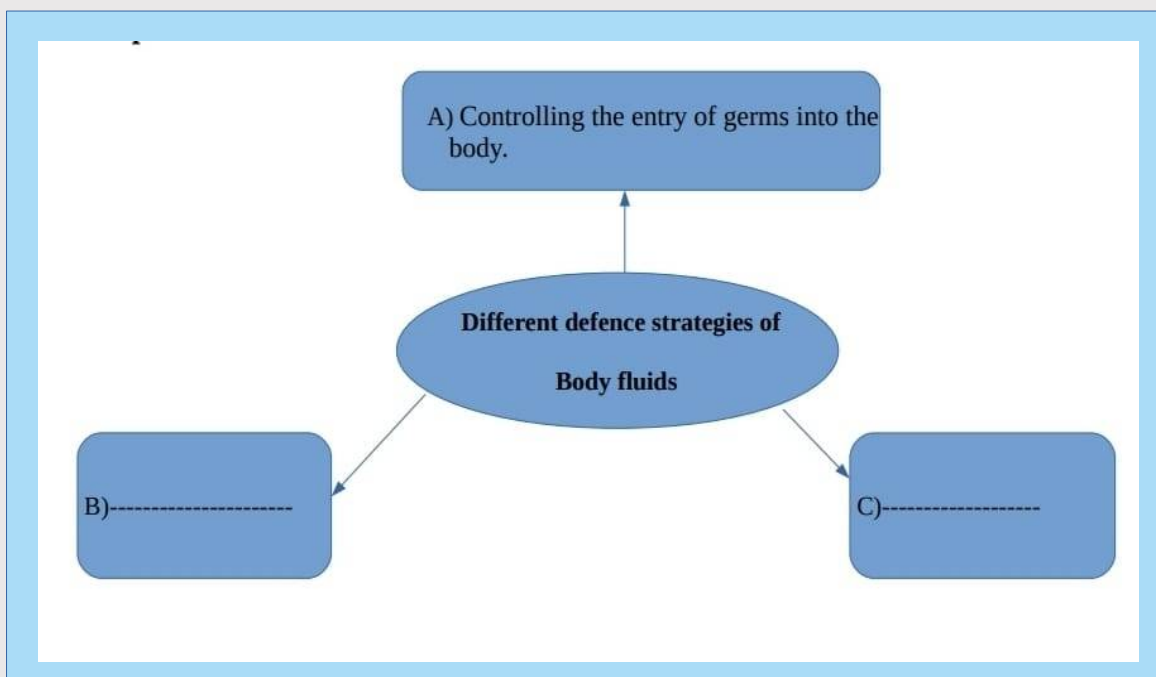


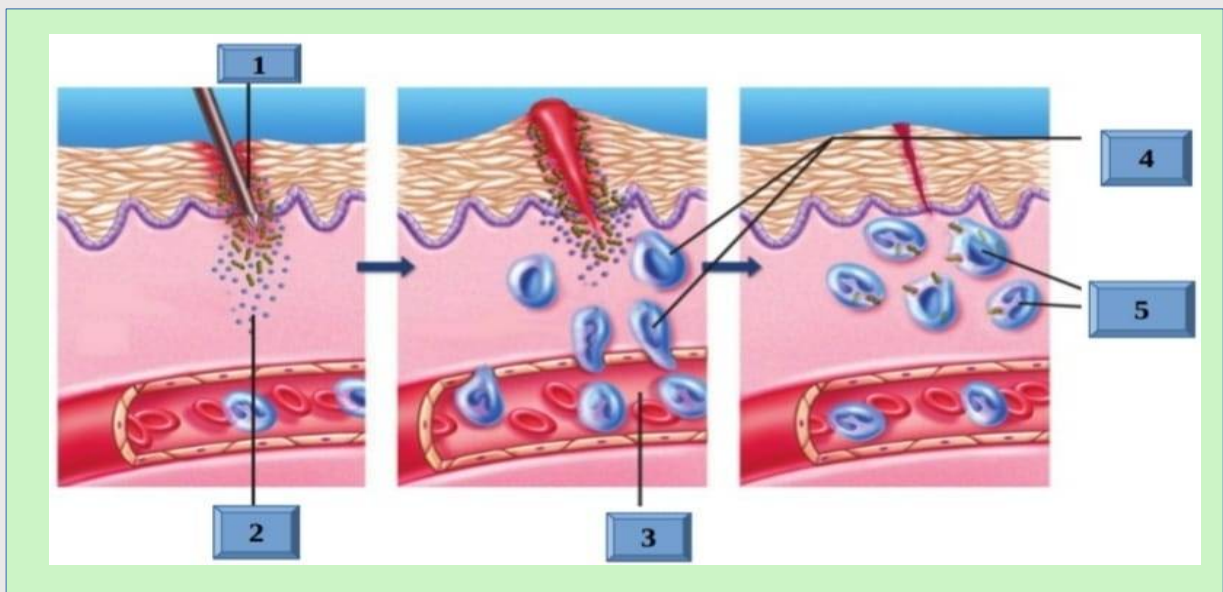
1. Complete the word web



2. Complete the table related to white blood cells and defense actions.

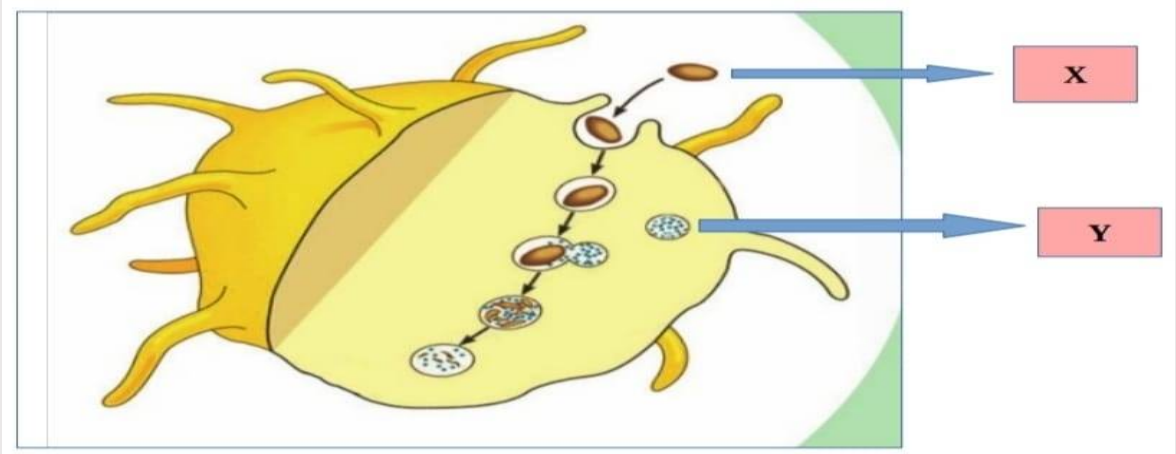
| White Blood Cells | | Defense Action |
|-------------------|------------|---|
| | Neutrophil | |
| | | Stimulates other white blood cells. Dilates the blood vessels. |
| | Eosinophil | Synthesizes chemicals that destroy foreign bodies. Synthesizes chemicals required for the inflammatory responses. |
| | Monocyte | |
| | | Identifies and destroys germs specifically. |

3. The given illustration explains how the inflammatory response takes place when a wound occurs. Analyse it and write in the correct sequence.



Hints: White blood cells reach the wound site through the walls of the capillaries, blood capillaries dilate, germs enter through wounds, neutrophils and monocytes Engulf and destroy germs, chemicals are produced

4. Observe the illustration and answer the questions



i) Which is the process illustrated ?

ii) What does X and Y indicate ?

iii) Name the white blood cells involved in the process.

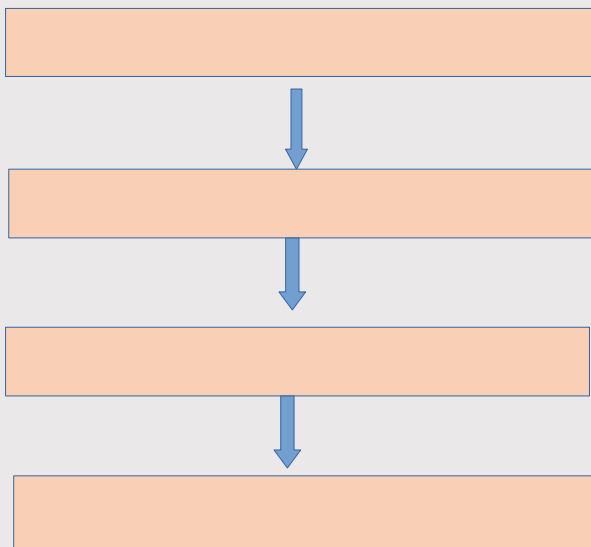
iv) Rearrange the steps involved in this process in correct sequence and prepare it in a flow chart.

a) Lysosome combines with membrane sac.

b) They engulf pathogen in the membrane sac.

c) The pathogens are degenerated and destroyed by the enzymes in lysosome.

d) Phagocytes reach near the pathogen.



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