

White blood cells and defense actions

Neutrophil	Engulfs bacteria, synthesizes chemical that destroy bacteria.
Basophil	Stimulates other white blood cells. Dilates the blood vessels.
Eosinophil	- Synthesizes chemicals that destroy foreign particles. Synthesis chemicals required for the inflammatory responses.
Monocyte -	Engulfs and destroy germs.
Lymphocyte	Identifies and destroys germs specifically.

Inflammatory responses.

Germs enter through wounds

chemicals are produced

Blood capillaries dilate.

WBC reach the wound site through capillaries

Neutrophils and monocytes engulf and destroy germs.

Phagocytosis

Stages

1 Pathogen is engulfed in the membrane sac.

2 Lysosome combines with membrane sac.

3 The pathogen are destroyed by degenerating them by the enzymes in lysosome.