

Non Specific

Phagocytosis

Phagocyte - type of white blood cell

Phagosome - vesicle inside phagocyte (contains pathogen)

Phagolysosome - vesicle when lysosomes have fused to the phagosome

Chemicals released by ^{the} pathogen attract the phagocyte to the area of infection

The phagocytes attach to the outside of the pathogen

The phagocyte engulfs the pathogen and form a vesicle that is called a phagosome

Lysosomes in the cytoplasm of the phagocyte move to the phagosome and fuse with it so that the enzymes are released into it. (lysozyme)

The enzymes digest the pathogen by through hydrolysis reactions that break down the large molecules that make up the pathogen into small, soluble molecules.

The soluble products are absorbed into the cytoplasm of the phagocyte.

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