

Non-specific body defences

Pathogens - all bacteria and viruses **that cause epithelial disease**.

~~Endothelium~~ cells form a physical barrier in the skin and inner linings of the digestive and respiratory systems.

The Inflammatory Response

- Histamine is released by mast cells.
- This causes vaso~~constriction~~^{dilation}, and increased capillary permeability.
- This leads to accumulation of phagocytes and clotting elements.

Phagocytes

- phagocytes involve the engulfing of pathogens and their destruction by digestive enzymes contained in ~~ligases~~ **lysosomes**.
- Release histamine which attract more phagocytes to the site of infection. These are protein molecules that act as a signal to specific white blood cells causing them to accumulate at the site of infection.

