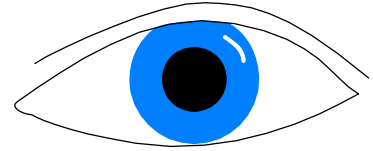




Immune System



What and where is it?

- *Lymphatic system, white blood cells, antibodies (defends against germs)
- *Protects against germs

How are we protected?

*Eye - protected by tears, enzyme that kills bacteria (lysozyme)

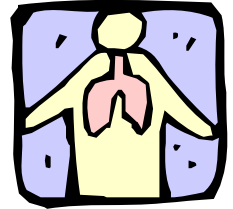
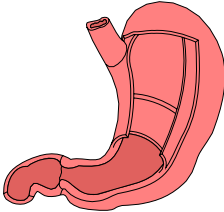
*Mouth - protected by saliva, enzyme that kills bacteria (lysozyme)

*Airway/Lungs - protected by mucus (traps germs)

*Stomach - protected by mucus and stomach acid

*Nose - protected by hairs, sneezing

*Genitals - protected by mucus



Inner Defenses:

*Blood - liquid proteins (complement) attacks and activates bacteria

-Interferon (proteins) released by the cells attack viruses, stimulate killer cells

-Germs may be attacked by cytotoxic (cell poisoning) white blood cells

-Germs may be eaten by white blood cells (phagocytes-attracted to infection, eaten, stored in a pouch in membrane, digested by enzymes)

*B Cells - effective against bacteria as cholera, measles, malaria

*T Cells - effective against viruses as flu, TB, few fungi

