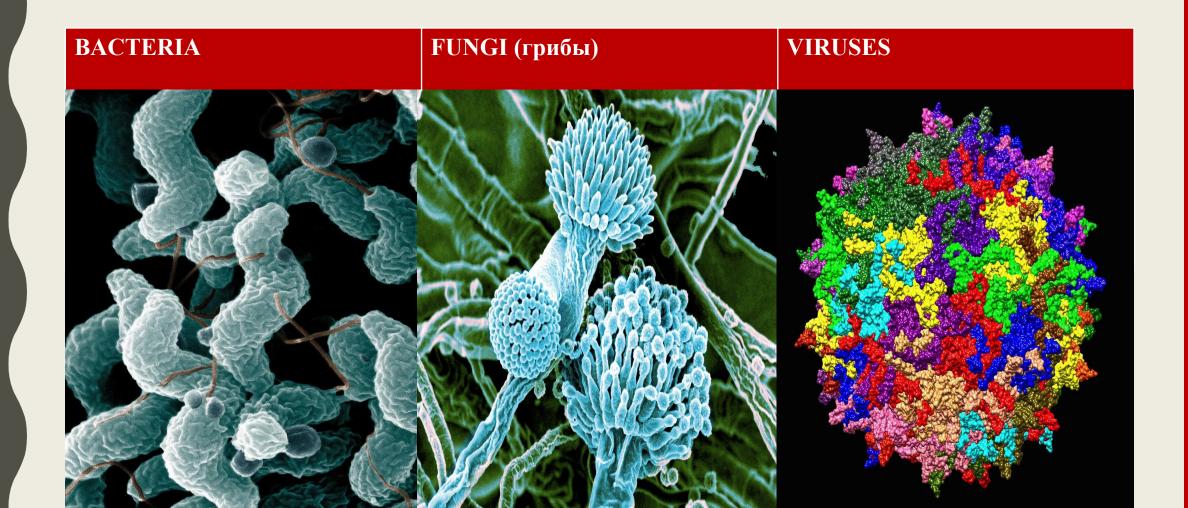
SYSTEM

HOW IT WORKS

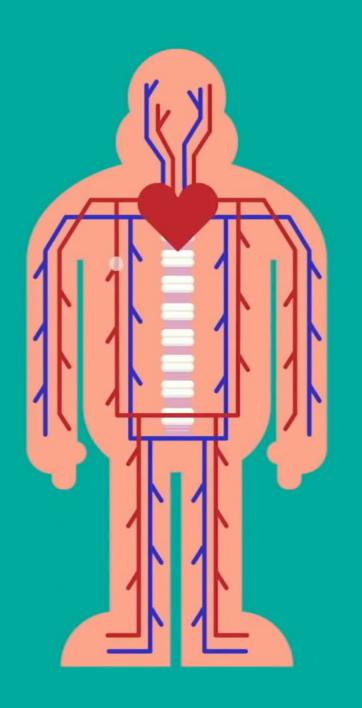


TYPES OF PATHOGENES



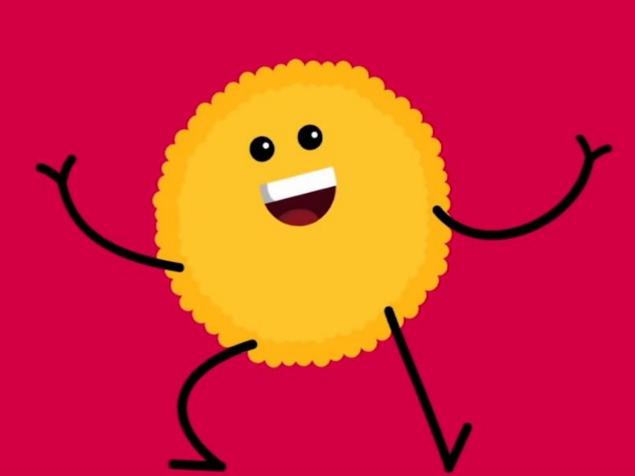
ORGANS

- Thymus (вилочковая железа)
- Spleen (селезенка)
- Bone marrow (костный мозг)
- Lymph nodes (лимфатические узлы)



TYPES OF LEUKOCYTES

PHAGOCYTE

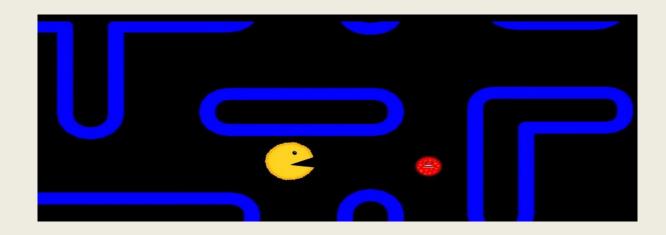


LYMPHOCYTE

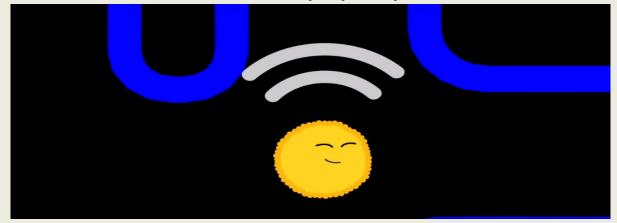


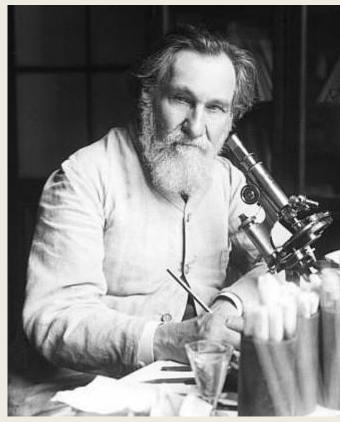
PHAGOCYTES

• Absorb the invaders they meet and identify the antigens of pathogens



• Transmit the information to lymphocytes





Elie Mechnikov – discovered phagocytosis

LYMPHOCYTES

- B cells produce antibodies to kill invaders. Each invader needs specific antibody. They use information gathered by phagocytes
- T-cells kill invaders

TYPES OF THE IMMUNE SYSTEM

- Innate (phagocytes)
- Adapted (lymphocytes)
- Passive