

# Infectious Disease

Disease: any, change in your normal body's function but not an injury.



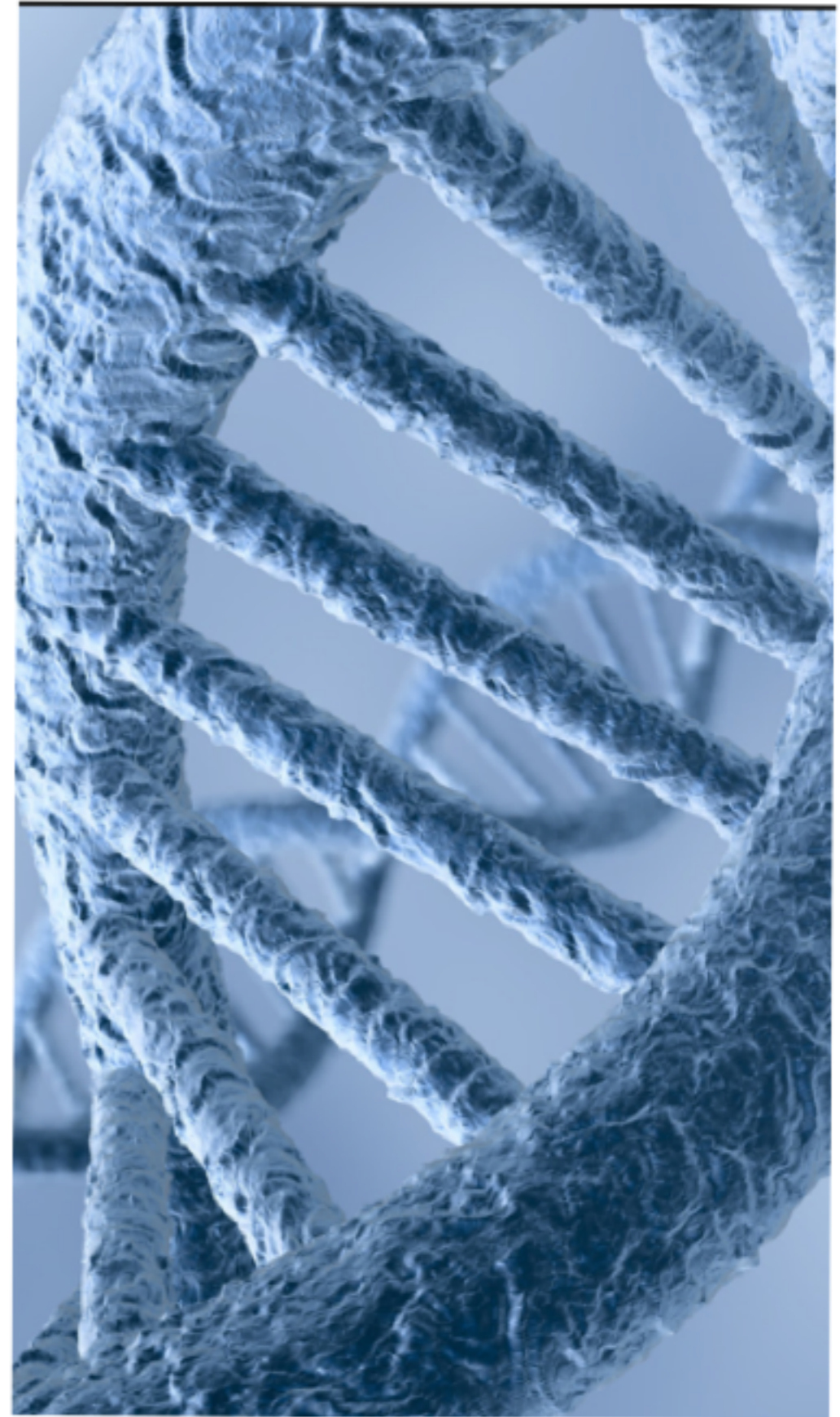
# Caused by .....



- ① Agents [virus, bacteria, fungus]
  - \*infectious: passed from person to person.



- ② Genetic Diseases
- you have a gene that gives you the diseases.
  - Diabetes T1




- ③ Environmental
- Pollution:
  - Nuclear:
  - Smoke

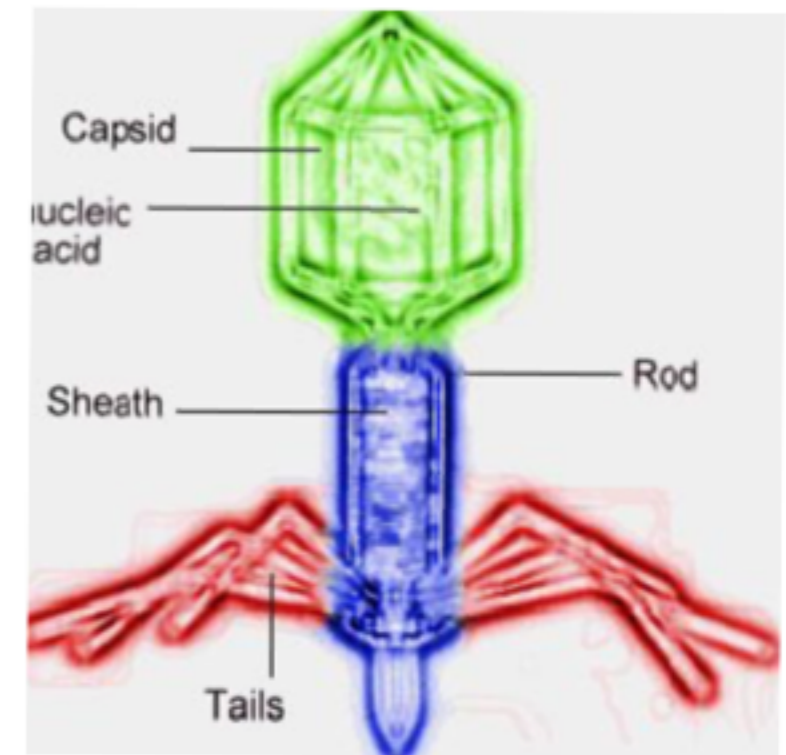
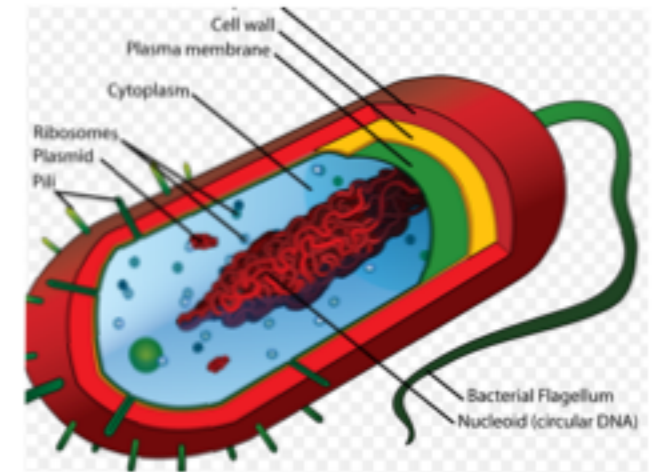


# Agents

- ① Virus: HIV, Flu
- ② Bacteria: Ecoli, Strep.

- treated with Antibiotics

- ③ Protists:   
"Malaria"



Virus ↗

④ Worms - Tapeworm  
hookworm.



⑤ fungus: athlete's foot  
Ringworm



# How to spread Disease?

① physical contact  
(touch, air, sexual)

② Contaminated food  
or water.



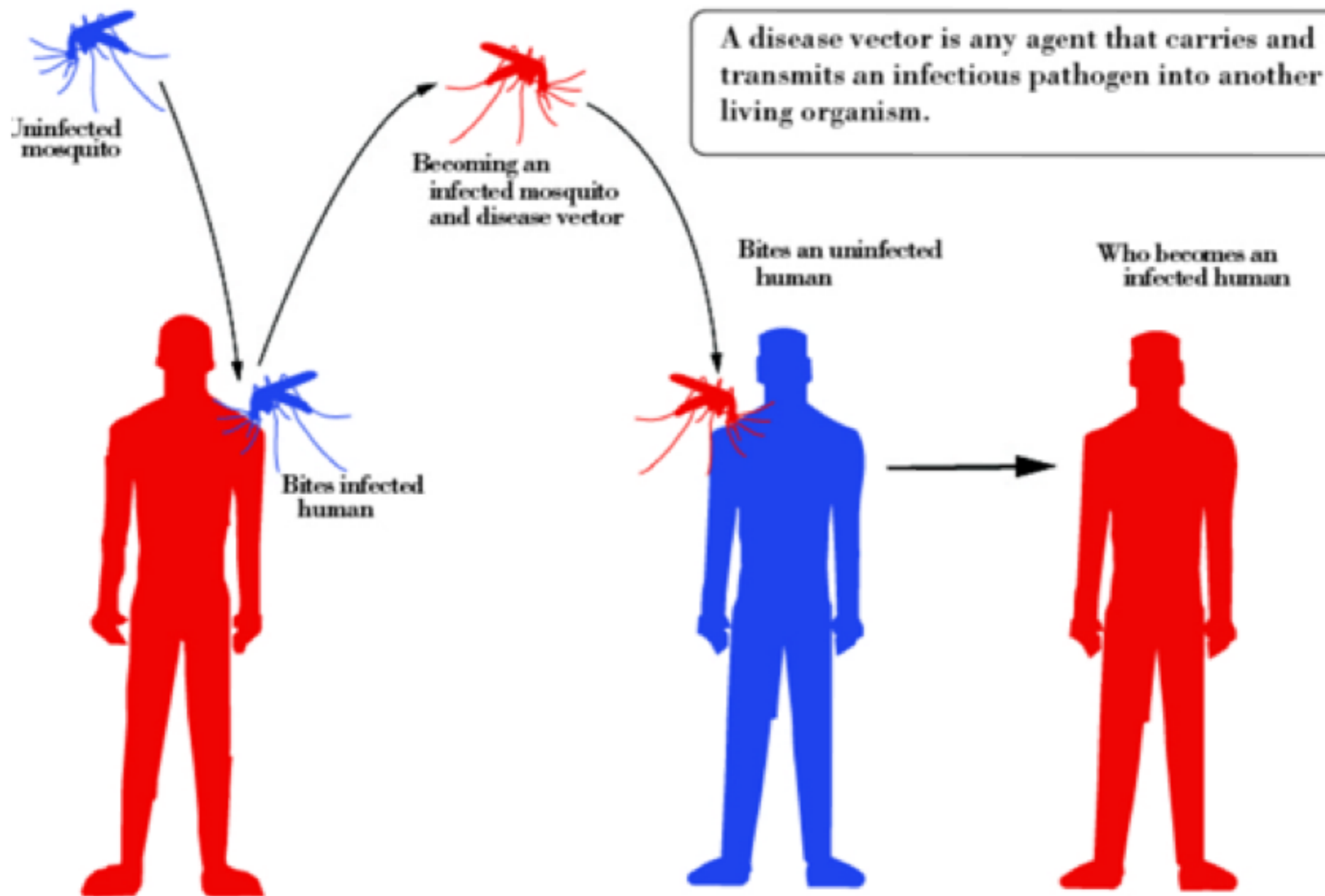
③ infected animals  
and insects

- tic  
- Rats





# What is a **disease vector**?



# Germ theory

Caused by microorganisms

Koch's postulates (Rules)

1. Sick with symptoms - the same agent is found in all people sick with same.
2. isolated + grow bacteria in lab
3. inject it into health individual
4. healthy become sick with the same symptoms.

