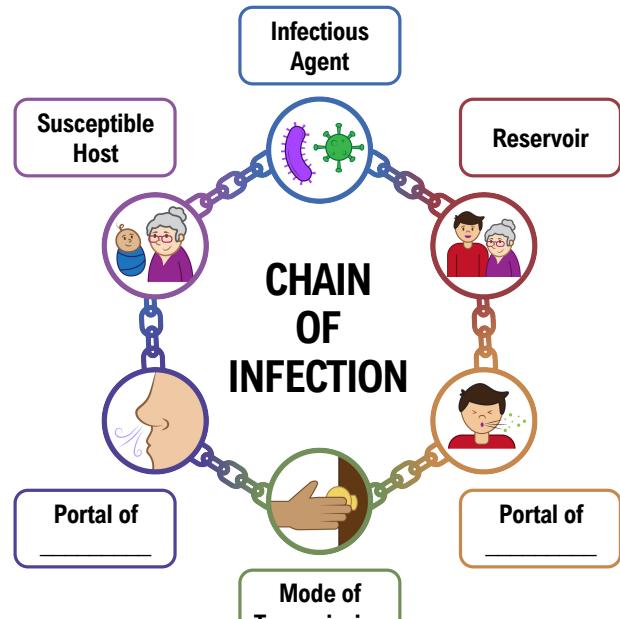


CONCEPT: THE CHAIN OF INFECTION

- ◆ A _____ by which an infectious agent/pathogen can pass (transmit) from one host to another.

- **Susceptible Host:** Organism vulnerable to infection.
- **Infectious Agent:** Can invade and multiply inside the host.
 - Virus, bacteria, fungus, etc.
- **Reservoir:** A place where the infectious agent _____.
 - Humans, animals, water, soil, etc.
- **Portal of Exit:** A way for the infectious agent to exit the reservoir.
 - Saliva, respiratory droplets, feces, _____, etc.
- **Mode (Route) of Transmission:** A way for the infectious agent to _____ to another host.
 - Direct contact, contaminated water, etc.
- **Portal of Entry:** A means for the infectious agent to enter the body of the host.
 - Inhalation, _____, penetration through skin, etc.



- ◆ Breaking the chain at _____ point can prevent an infection.

MEMORY TOOL: _____pected _____ection _____quires _____tra _____tes of _____.

EXAMPLE

All of the following are required for transmission of infection except:

- The infectious agent must establish a reservoir.
- The infectious agent needs a means of exit from the reservoir.
- The host must be susceptible.
- The reservoir must be symptomatic.