3 types of foodborne illnesses

1) **INFECTION** - an invasion of the body by a disease causing microorganism (a “germ”).
   - Some bacteria (ex: Salmonella)
     - *bacteria*: a single cell asexual microbe some of which cause disease
   - All viruses
     - *virus*: an infectious agent that needs a living host to survive
   - All parasites
     - *parasite*: an organism that lives within another living organism and derives its nutrients at the hosts’ expense

2) **INTOXICATION** - an invasion of the body by a disease causing microorganism or toxin.
   - Some bacteria (ex: Botulism & Staph) that are toxic
   - Chemicals (that are toxic all by themselves)

3) **TOXIN-MEDIATED INFECTION** - an invasion of the body by a microorganism that deposits a toxic by-product. (whereas “mediate” means to assist)
   - A by-product of bacteria (ex: e-coli) produces illness (not necessarily the bacteria itself)