

- Temperature rises STEADILY
 - Remains high till treatment is successful or the body controls the infection
- VIRAL:
 - Temperature SPIKES
 - If temperature rises above 40C, some enzymes denature & cause permanent tissue damage

6B: Bacteriostatics & Bactericidal:

- BACTERIOSTATICS:
 - Antimetabolites interrupt metabolic pathways
 - Blocks nucleic acid synthesis OR the synthesis of vital nutrients
 - Protein synthesis inhibitors interrupt/prevent transcription and/or translation of microbial genes
 - Protein production is, therefore, affected
 - Inhibits the growth of microorganisms for most infections
- BACTERICIDAL:
 - Cell wall agents prevent the formation of cross-links in the cell wall
 - Bacteria is killed by lysis
 - Cell membrane agents damage cell membranes
 - Metabolites move OUT
 - Water moves IN
 - Kills bacteria
 - Destroys almost all pathogens present in severe/dangerous infections
 - Kills 99% of bacteria at any given time

6C: Introns & Satellites:

- INTRONS:
 - DO NOT code for DNA but they DO CODE in general
 - Code for small interfering RNA (siRNA)
 - This causes interactions with mRNA and prevents translation
 - Inherited