

What to Know – Chapter 4

Biology B

- Greenhouse effect
 - Define
 - Major substances that create effect
- 3 main climate zones of biosphere
 - Factor that creates 3 zones
- Heat transport in biosphere
 - Cause of heat transport
 - Influence of land masses
- Biotic & abiotic
 - Define
 - Examples
- Niche
 - Define
- Community Interactions
 - Competition
 - Competition Exclusion Principle
 - Symbiosis
 - Mutualism
 - Commensalism
 - Parasitism
- Ecological succession
 - Primary
 - Secondary
- Biomes
 - Define
 - Climate Graph Lab
 - Interpret graphs
 - Compare climate graphs from different locations
 - Hypothesize factors influencing climate based upon biotic and abiotic factors
 - Simpson's Diversity Index Lab
 - What factors affect biodiversity in ecosystems
 - Apply formula for Simpson's Diversity Index