

## What Are Topics I Should Know For The Ecology Unit Test?

- Abiotic/Biotic factors
- Trophic levels from least to most encompassing
  - Which has only one species?
- Sun's rays fall on equator when?
  - Tropic of Cancer?
  - Tropic of Capricorn?
- Latitude
  - find deserts?
- Cold air/Warm air – which is denser?
  - When it cools it ?
  - When it warms?
- Boreal forests – name some countries
  - Tundra?
  - Grasslands
  - Jungles
- Aquatic Biomes – salinity
- U.S is in –
  - Nearctic, Palearctic, or Neotropical
- What causes the boundaries between biogeographical regions
- Why do acorns increase Lyme disease?
- Why do introduction of Wolves to Yellowstone increase beaver pop?
- What causes an increase in carrying capacity of a population?
  - Resources life food supply
- What is a larger population that comprises many subpopulations?
  - Metapopulation
- Species Interactions
- When do species most likely coexist, ->
  - Intra is stronger than inter
- Invasive – causes damage
- Trophic levels from lowest to highest level – producers, primary consumer, secondary consumer, tertiary consumer
- Where is species richness highest?
  - Tropics
- Name some compartments of the water cycle, Nitrogen cycle, Carbon Cycle
- What powers the water cycle?
- Most common gas in atmosphere
- Types of greenhouse gases – besides CO<sub>2</sub>
- Nitrogen Cycle – compartments Nitrogen in Air, Nitrogen fixing bacteria, Ammonium, Nitrates, Nitrite, Denitrifiers put back into atmosphere
- What put most of Oxygen in atmosphere – cyanobacteria and plants
- Which has a carrying capacity – Logistic or Exponential