Study Guide Science 1206

Mid Unit Quiz

Definitions

Sustainability Paradigm Paradigm shift Ecosystem Ecology

Abiotic Factor Biotic Factor Population Community Ecotone Biodiversity

Food Chain Food Web Producer Consumer Herbivore Carnivore

Omnivore Saprobe (decomposer) Extinct Endangered Extirpated Threatened

Vulnerable Trophic Level Top Carnivore Pyramid of Energy

Pyramid of Numbers Pyramid of Biomass Competition Niche Habitat

Interspecific Competition Intraspecific Competition Competitive Exclusion Principle

Predator Prey Invasive species (exotic species) Symbiosis Mutualism

Parasitism Commensalism Biochemical cycles Oxygen Cycle

Photosynthesis Respiration Inorganic reservoirs Organic reservoirs

Nitrogen cycle Nitrogen Fixation (nitrification) Nitrogen fixing bacteria

Denitrification Deforestation Greenhouse effect Global Warming

Ozone layer Eutrophication

Topics for Review

- The idea of a paradigm shift as it relates to sustainability
- Importance of biodiversity in an ecosystem
- Causes and implications of the disappearance of frogs globally
- How humans have influenced the extinction of certain species
- Distribution of the energy from the sun
- Movement of energy through a food web
- Causes of competition
- Effects of intentional or accidental introduction of an exotic (invasive) species
- Examples of symbiotic relationships
- Importance of the oxygen cycle
- How photosynthesis and respiration relate to the carbon cycle
- How humans impact the carbon cycle
- How the nitrogen cycle works
- How humans have altered the biological cycles