

Chapters 55: Ecosystems and Restoration

Chap 55

What is the law of conservation of mass?

Know the vocabulary: Primary producers, Primary consumer, Secondary consumer, Tertiary consumer, detritivore, and decomposer.

What is primary production?

How is gross primary production (GPP) related to net primary production (NPP)?

What is net ecosystem production (NEP)?

What is a limiting nutrient?

How does eutrophication affect the ecosystem?

What is secondary production?

How does secondary production relate to the 10% rule?

How can an ecological pyramid be inverted? What does the ecosystem look like?

What happens in the biogeochemical cycles (Water, Carbon, Nitrogen and Phosphorus)

What is nitrogen fixing? Denitrification?

How does decomposition fit into the biogeochemical cycles?

What is bioremediation?