

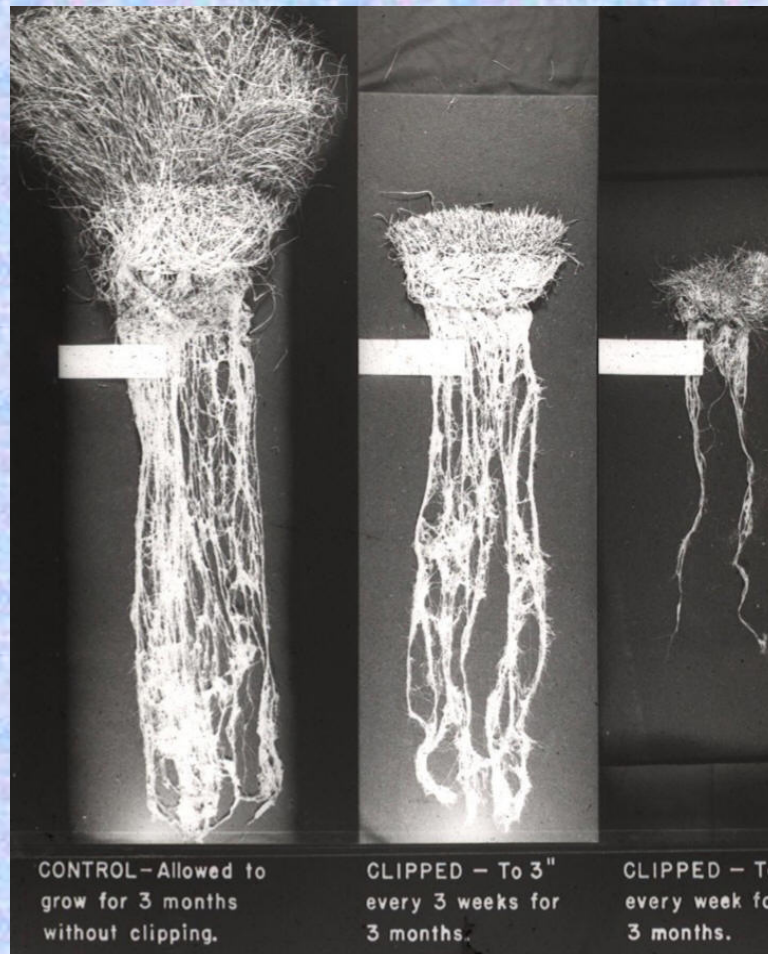
Better Soil ~ Better Forage

Stephanie Larson, Ph.D.
Livestock & Range Management Advisor
University of California Cooperative Extension

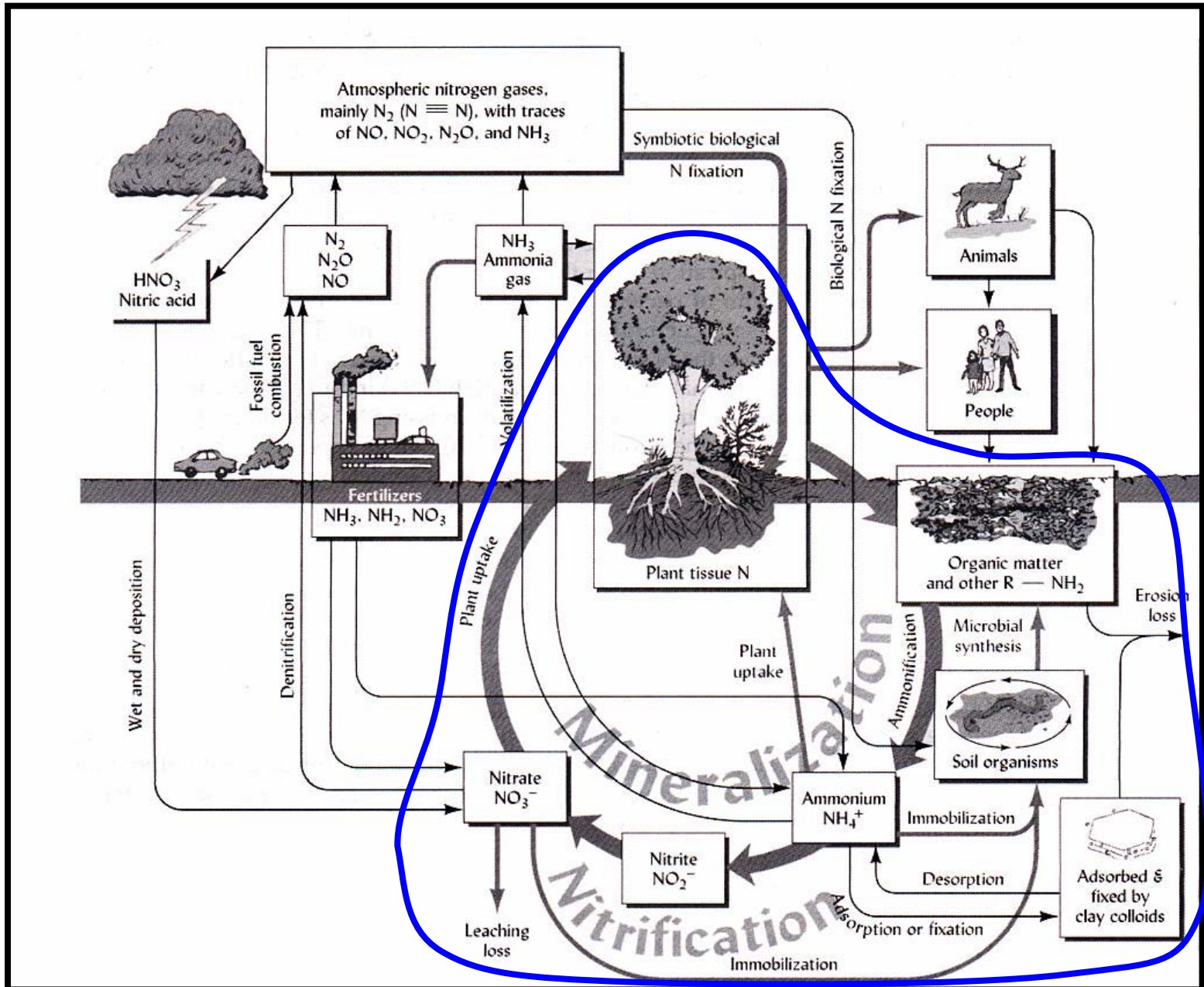




Got Roots?



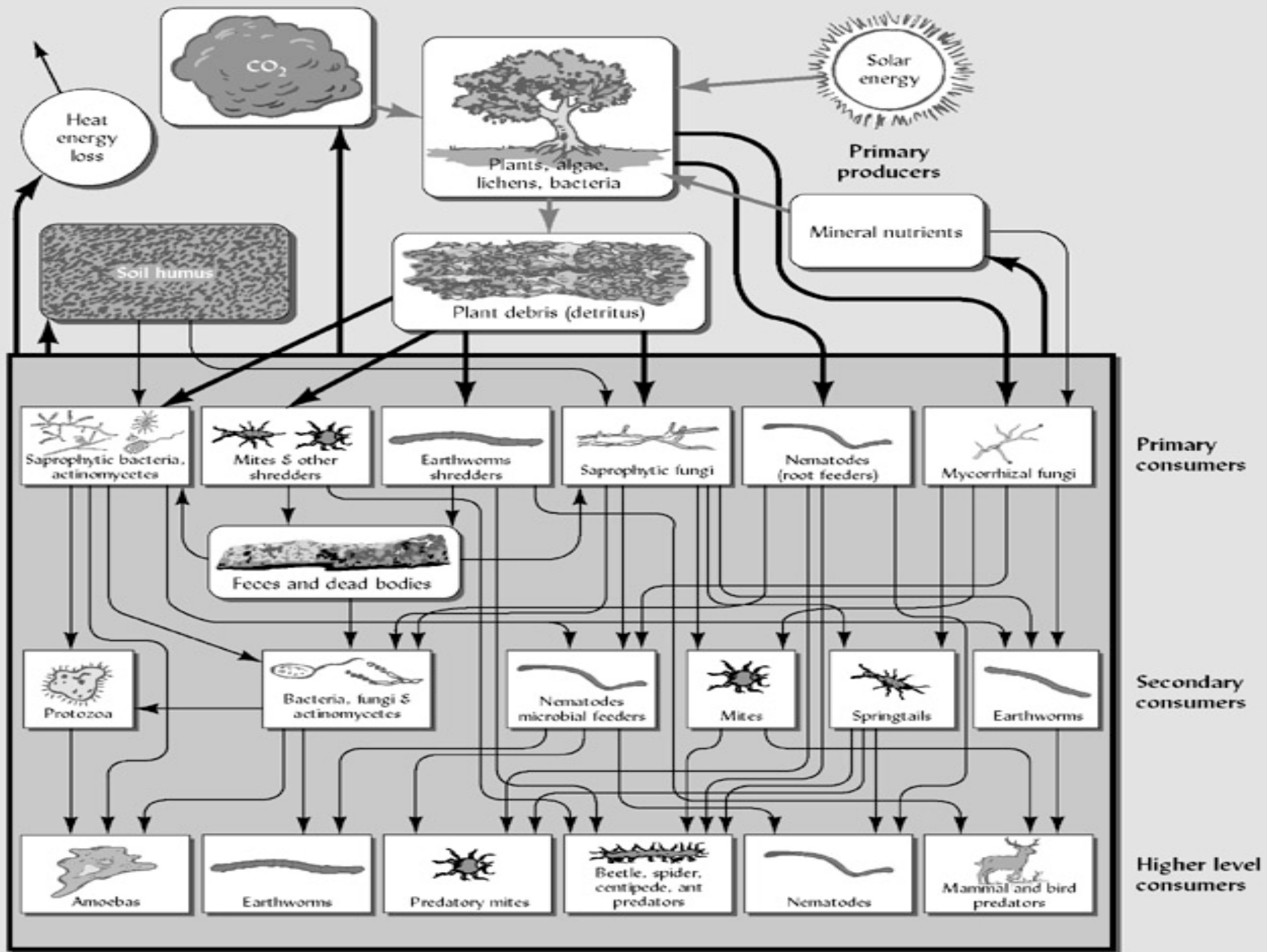
Nitrogen cycle – same N used over and over...



Hydrologic Cycle

precipitation

- Infiltration Rate – *in vs. over*
 - Vegetation Present
 - Organic Matter (OM)
 - Soil Type/Properties
 - Slope
 - Organisms
 - Land Management ~ Grazing Systems



Pasture Systems

Pasture Grazing System

Crop Rotation

Cover crops, green manures

Minimizing tillage

Pasture Grazing Management

A group of black and white cows are standing in a lush green pasture. Some cows have orange ear tags with numbers like 477 and 412. The background shows a wooden fence and more greenery under a bright sky.

Rest / Rotation System

*A system which allow the plant to
recover from grazing*

Multi Species Grazing

Targeted Grazing

A photograph of two cows grazing in a green field. The cow on the left is brown and white, and the cow on the right is black and white. In the background, there is a dense forest of green trees. The text is overlaid on the image.

Grazing to Control Weeds

Timing of Grazing

Intensity of Grazing

Management Practices to Implement
Water, Supplements, Fencing, Weed Control