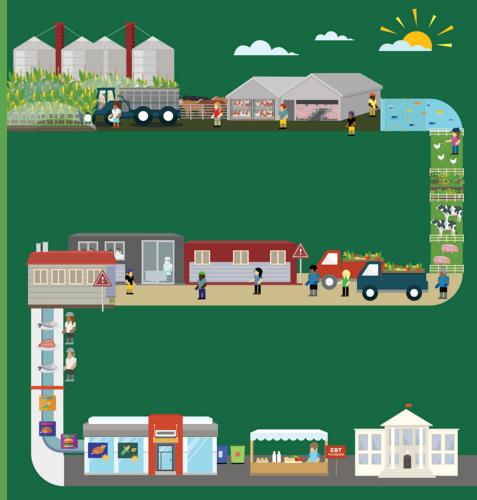
Lesson A

Exploring the Food System

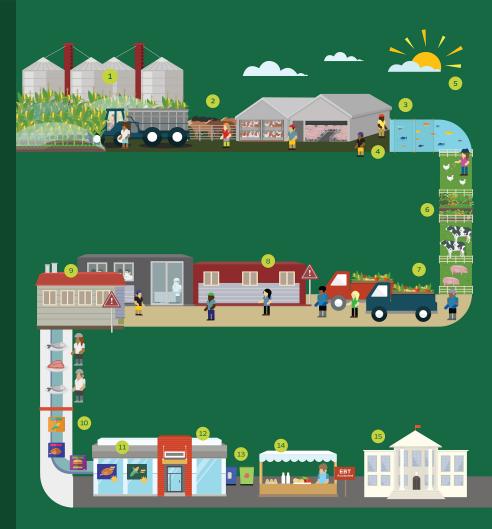


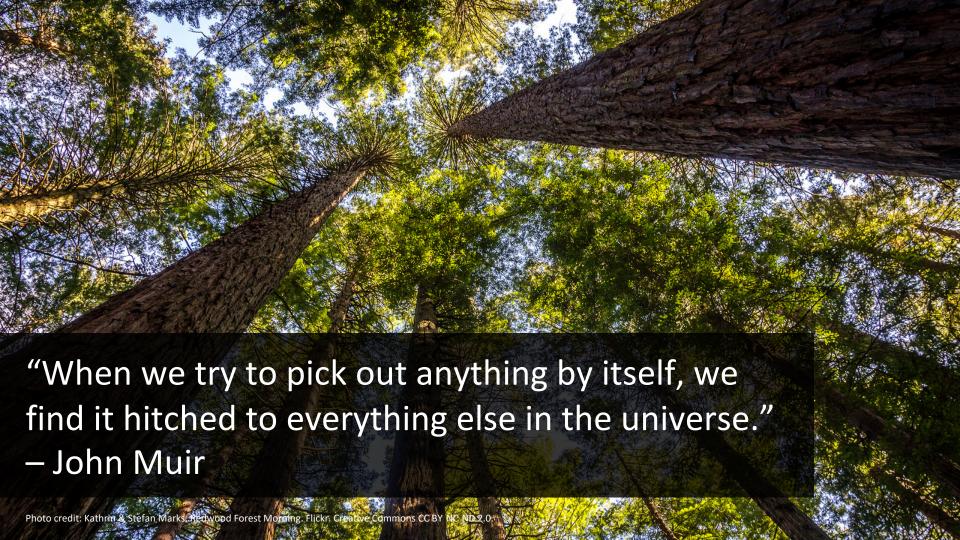


FoodSpan Infographic

- 1. Crop production
- 2. Food animal production
- 3. Seafood production
- 4. Food chain workers
- 5. Climate change
- 6. Agroecology
- 7. Food distribution
- 8. Food safety

- 9. Food processing
- 10. Food labeling
- 11. Food marketing
- 12. Food environments
- 13. Food waste
- Hunger and food insecurity
- 15. Food policy





Washington Apple Supply Chain

Growing

Apples grow on trees in orchards

Harvesting

Apples are picked by hand

Washing, grading, waxing

A wax coating helps keep apples crisp

Packing

Apples are sorted and packed into 40 pound cartons

Retailing

Apples are sold in a variety of stores

Packaging

Packaging depends on how the apples are processed, if at all

Processing

Some apples may be canned or made into applesauce, pie filling, etc.

Distributing

Apples are transported up to thousands of miles in refrigerated trucks

Preparing

Apples can be eaten whole, added to salads, cooked in pies, etc.

Consuming

Apples are eaten

Disposing

Throughout the life cycle, some apples and parts of apples are discarded

Composting

Discarded apples can be composted and used to help more apples grow

Adapted, with permission, from *Discovering the Food System*. www.hort.cornell.edu/foodsys/. Photo credit: Apple and Pear Australia Ltd. Flickr. Creative Commons CC BY 2.0.

Broiler Chicken Supply Chain

Soy growing

Chick hatchery producing

Corn growing

Corn harvesting

Poultry feed processing

Poultry producing

Fish harvesting

This example represents the prevailing industrial model of poultry production in the U.S.

Distribution steps not shown. Adapted from Pelletier N. Environmental performance in the US broiler poultry sector: Life cycle energy use and greenhouse gas, ozone depleting, acidifying and eutrophying emissions. Agricultural Systems, 2008; 98, 67 73. Photo credit: Farm Sanctuary. www.farmsanctuary.org.

Broiler Chicken Supply Chain (continued) Processing Retailing **Preparing** Consuming In this example, the chicken is minimally processed. Foods such as chicken nuggets would require additional processing steps. Distribution steps not shown. Adapted from Pelletier N. Environmental performance in the US broiler poultry sector: Life cycle energy use and greenhouse gas, ozone depleting, acidifying and eutrophying emissions. Agricultural Systems, 2008; 98, 67 73. Photo credit: Farm Sanctuary. www.farmsanctuary.org.