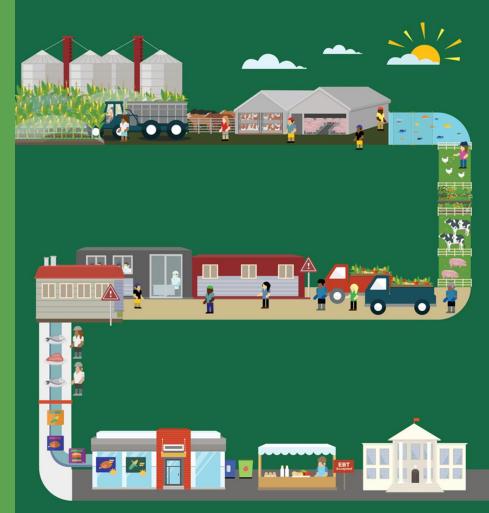
Lesson A **Exploring the Food System**



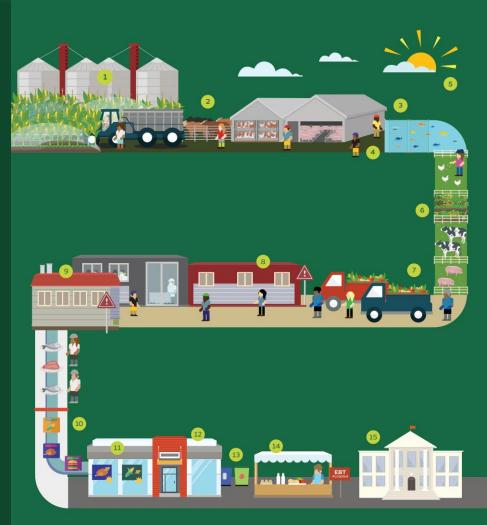
FOODSPAN

© 2016 Johns Hopkins University

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
- 14. Hunger and food insecurity
- 15. Food policy



"When we try to pick out anything by itself, we find it hitched to everything else in the universe." – John Muir

Photo credit: Kathrin & Stefan Marks, Bedwood Forest Moraing, Flickr. Creative Commons CC BY NC ND 2.0.

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.

Throughout the life cycle,

some apples and parts of

apples are discarded

Disposing

Distributing Apples are transported up to thousands of miles in refrigerated trucks

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

Preparing Apples can be eaten whole, added to salads, cooked in pies, etc. **Consuming** Apples are eaten

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 Soy harvesting **Chick hatchery** producing **Corn harvesting** Corn growing **Poultry feed** Poultry producing processing **Fish harvesting** This example represents the prevailing industrial model of

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.

poultry production in the U.S.

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.