

Day 42 February 22/23 Welcome Back!

Did you finish reading ch 9?

Goals:

- Summarize ch 1-3
- Reading check ch 5-9
- Key terms up to *supersize* (95)
- Literal questions up to p99
  
- **HW:** Read ch 12 and finish the literal questions to p99 - the end of ch 9.

Ch 1. How Corn Took over America

So many modern foods contain corn (even wax & building materials). The supermarket is a field of corn. Maize spread throughout the world b/c it's easily stored & an important part of animal feed.

Ch 2. The Farm

One farmer feeds 140 (in 1919 it was 12). Modern farm has lost all diversity thanks to hybrids and GMO seeds (Frankenseeds). Corn won in driving animals and people off the land.

### Ch 3. From Farm to Factory

Farms used to produce more energy (calories) than they used; now, instead of using free energy from the sun, farms need fossil fuel to fertilize the soil (using nitrogen - originally from bomb factories), causing nitrogen pollution. Because corn is so cheap, farmers need government subsidies to stay in business.

Copy the definitions; (find the context clues later)

hidden costs	50, 214	expenses that a product will eventually cause and that are not included in the price of the product
factory farm	57, 58	a farm that depends on outside raw materials, fossil fuels, and produces one crop
commodity	53	an article of commerce; a mass produced product (uniform)
surplus	58	what is left over after you have taken what you need

<b>term</b>	<b>pg</b>	<b>meaning</b>
feedlot	59,61	where livestock are fattened before slaughter
unnatural	66	going against nature; against the normal course of events
to process	78	to treat s.th. by taking it apart and combining the parts in new ways
added value	88,89	increasing the worth of s.th. by changing it or adding to it
HFCS	93	High Fructose Corn Syrup
supersize	95	to give an extra large portion of s.th. for just a little extra money

Let's take the Reading Check Quiz (**HW 19**).

*After the quiz, continue working on p52 to p99; what you don't finish will be for homework in addition to the reading.*

Before we end class, let's take a look at how the headings can be used to help us summarize the chapter. Let's begin with ch 4.

Ch 4  
Food on the Ground  
Corn the Commodity  
River of Corn  
Ninety Thousand Kernels

Steps:

- Look at the title
- Skim the section, noting the main idea for that part
- Keep in mind the Key Terms

Huge silos store vast amounts of corn before it is sent into the "river" as a commodity as animal feed or processed food products. Cargill & ADM control this river, from the GMO seeds, to the fertilizers and pesticides, to the silos. The farm has become an industrial factory.

Ch 5  
City of Cows  
CAFO - Concentrated Animal Feeding Operation  
Steer Number 534  
Cows and Grass - A Partnership  
Cow Chow  
New Home, New Diet  
Cattle Eating Cattle  
Sick from Corn  
Antibiotics for Animals  
My Steer

The feedlot (CAFO) is a great animal city or beef factory where cattle are forced to eat an unnatural diet of corn instead of grass. (Cattle evolved to eat grass.) There are health problems for the cattle and hidden costs for the environment.

ch 6

Splitting the Kernel

INDustrial DIGESTION

Starch into Sugar

Cereal Secrets

Can You Eat More, Please?

Food that Doesn't Feed

Corn is broken down (digested) and combined in new ways (processed) as new food products: sugars, starches, and additives. Sweeteners (esp. HFCS) are the most important by-product of corn. Food companies encourage us to eat more "food" that does not really nourish.

Ch 7

Can You Eat More, Please Part II

Extra Calories

A Sweet Deal

Supersize!

Cheap Fat

The extra calories from corn sweeteners are contributing to obesity. Corn products are cheaper than other healthy foods. Food companies are supersizing our portions.

ch 8 The Omnivore's Dilemma

Is That Food?

The Modern Omnivore

The Omnivore's Brain

The Bitter and the Sweet

Rats!

Food Fads

The No-fad French

Marketing New Meals

With thousands of processed foods to choose from, the modern omnivore does not know what to eat. We cannot rely on our sense of disgust or animal instinct, but instead we rely on food knowledge. Food is about family, friends, and community (not clever marketing of food products).

**HW 20:** Read up to and including ch 12. Finish the literal questions from p52 to p99