

*Test Bank for Food Science 2nd Edition
by Edelstein*

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Chapter: Chapter 01 – Quiz

Multiple Choice

1. Agrichemicals have been associated with:

- A) reduced biodiversity.
- B) eutrophication.
- C) climate change.
- D) resistant weeds.
- E) All of these are correct.

Ans: E

Complexity: Moderate

Ahead: Resource Utilization

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern

2. While there are slight variations to the definition of the precautionary principle, a simplified rendition includes:

- A) when an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.
- B) when an activity raises threats of harm to human health or the environment, the effects are “washed out” and, therefore, negligible.
- C) there are always threats to human health that are natural.
- D) All of these are correct.
- E) None of these is correct.

Ans: A

Complexity: Moderate

Ahead: Resource Utilization

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern

3. Organic banana sales have:

- A) plummeted.
- B) remained stagnant.
- C) have increased 30% over the past year.
- D) had no impact on the natural environment.

E) have had no impact on human health.

Ans: C

Complexity: Moderate

Ahead: Resource Utilization

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4. Conventional bananas use a vast array of agrichemicals including:

A) glyphosate.

B) arsenic.

C) agent orange.

D) fungicides such as mancozeb.

E) None of these is correct.

Ans: D

Complexity: Moderate

Ahead: Resource Utilization

Subject: Chapter 1

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5. Keystone species are important and should be considered in agricultural systems because:

A) they play a critical and unique role in the balance of ecosystem functions.

B) their disturbance or absence may end those services altogether and cause dysfunction to the ecosystem as a whole.

C) their role is insignificant altogether.

D) None of these is correct.

E) they play a critical and unique role in the balance of ecosystem functions and their disturbance or absence may end those services altogether and cause dysfunction to the ecosystem as a whole.

Ans: E

Complexity: Moderate

Ahead: Resource Utilization

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6. It has been estimated that there are _____ pieces of plastics in our oceans.

A) 1 million

B) 2.5 billion

C) 8 million

D) 5.25 trillion

E) None of these is correct.

Ans: D

Complexity: Moderate

Ahead: Resource Utilization

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern

7. Using durable (nondisposable) tableware when serving food:

A) decreases the burden to the natural environment.

B) decreases the negative impact on wildlife.

- C) conserves natural resources.
- D) can decrease the amount of plastics found in our waterways and oceans.
- E) All of these are correct.

Ans: E

Complexity: Moderate

Ahead: Resource Utilization

Subject: Chapter 1

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8. Identify true statements about antibiotic resistance.

- A) Antibiotic resistance genes and microorganisms have been found in animal products when purchased at grocery stores.
- B) Nearly 80% of the antibiotics produced in the United States are sold to the food animal industry.
- C) Antibiotic resistance genes and microorganisms have been found in groundwater, the air, and manure.
- D) Removing antibiotics from food animal production has been shown to decrease antibiotic resistance.
- E) All of these are correct.

Ans: E

Complexity: Moderate

Ahead: Nutrition Transitions

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern

9. Identify false statements about the general health of Americans.

- A) Americans are consuming the recommended amounts of beans and peas.
- B) Americans are underconsuming empty calorie foods.
- C) Americans are underconsuming refined grain.
- D) Most Americans are not overweight or obese.
- E) All of these are correct.

Ans: E

Complexity: Moderate

Ahead: Nutrition Transitions

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern

10. A completely plant-based diet has been shown to be nutritious and beneficial:

- A) at all stages of the life cycle, including pregnancy.
- B) for cardiac disease only.
- C) for diabetes and cardiac disease only.
- D) for a variety of chronic diseases.
- E) for all stages of the life cycle, including pregnancy, and for a variety of chronic diseases.

Ans: E

Complexity: Moderate

Ahead: Nutrition Transitions

Subject: Chapter 1

Title: Food Science in an Era of Environmental Concern