

Chapter 01

1. Which statement about nutrition's role in a person's life is FALSE?
- Nutrition is the science of the nutrients in foods and their actions within the body.
 - Nutrition is the study of human behaviors related to food and eating.
 - Careless food choices can contribute to chronic disease.
 - Chronic diseases progress slowly.
 - A diet is defined as a restrictive food plan designed for weight loss.

ANSWER: e

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: Introduction

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

2. Treyvon eats strawberries more than any other food. Based on what you've learned about influences on food choices, what would be the most likely reason Treyvon eats strawberries?
- Strawberries are cheap.
 - He likes how strawberries taste.
 - Strawberries are a convenient snack.
 - Strawberries are nutritious.
 - Eating strawberries is a habit.

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

3. At a party with friends, Janine drinks wine and eats hors d'oeuvres, even though she is not hungry. This is an example of a food-related ____.
- habit
 - social interaction
 - emotional turmoil
 - negative association

Chapter 01

e. comfort eating

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

4. A person who eats a granola bar from a vending machine is most likely making a food choice based on: ____.

- a. Habit
- b. Availability
- c. Body image
- d. Environmental concerns
- e. Cultural values

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

5. Which individual is making a food choice based on values?

- a. A woman who avoids gluten due to allergies
- b. A child who spits out his mashed potatoes because they taste too salty
- c. A teenager who mindlessly eats potato chips while watching television
- d. A man who eats oatmeal each day without exception
- e. A Catholic woman who fasts on Good Friday to honor religious custom

ANSWER: e

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

Chapter 01

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

6. The motive for people who prefer foods they grew up eating is most likely related to their ____.

- a. values
- b. body image
- c. ethnic heritage
- d. negative association
- e. economy

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

7. Farah is a movie fan and always eats a big bucket of buttery popcorn at the theater. Her food choice is most likely based on ____.

- a. regional cuisine
- b. values
- c. emotional comfort
- d. positive association
- e. functional value

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

8. Which of the following is an example of an ultra-processed food?

- a. Skim milk

Chapter 01

- b. Swiss cheese
- c. Chicken nuggets
- d. Sunflower seeds
- e. Apple juice

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.1 Food Choices

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

9. Which of the following does *not* represent one of the six classes of nutrients?

- a. water
- b. lipids
- c. phytochemicals
- d. carbohydrates
- e. protein

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

10. An apple is composed primarily of _____.

- a. fats
- b. water
- c. proteins
- d. carbohydrates
- e. vitamins and minerals

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

Chapter 01

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

11. What is the simplest nutrient?

- a. Minerals
- b. Water
- c. Protein
- d. Carbohydrates
- e. Vitamins

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

12. Why are vitamins and minerals sometimes called micronutrients?

- a. The body requires only small amounts of them daily.
- b. They provide only small amounts of energy for the human body.
- c. They do not contain carbon.
- d. They are fat-soluble.
- e. They must be obtained from food sources.

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

Chapter 01

13. Calories or kcalories are a measure of _____ energy.

- a. heat
- b. potential
- c. surface
- d. work
- e. light

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

14. Which nutrient has the greatest energy density?

- a. Protein
- b. Water
- c. Carbohydrate
- d. Fat
- e. Vitamins

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

15. Which of the following statements about essential nutrients is FALSE?

- a. They must be obtained from food.
- b. They are also called indispensable nutrients.
- c. They cannot be made in sufficient quantities by the body.
- d. They meet the body's physiological needs.
- e. There are about 100 nutrients essential for the human body.

ANSWER: e

Chapter 01

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

16. What nonnutritive substance contributes energy, but does not sustain life?

- a. Fats
- b. Sugar
- c. Artificial sweeteners
- d. Alcohol
- e. Phytochemicals

ANSWER: d
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

17. What happens when the body uses energy-yielding nutrients?

- a. The bonds between the atoms break and release energy.
- b. The body converts them into storage compounds.
- c. A person's energy stores are depleted.
- d. The amount of water in the body decreases.
- e. A person's body mass increases.

ANSWER: a
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

18. Which energy-yielding nutrients are found in part of the structural component of muscles and help regulate digestion?

- a. Fats
- b. Alcohols
- c. Proteins
- d. Carbohydrates
- e. Vitamins and minerals

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

19. Internationally, work energy is measured in _____.

- a. kilojoules
- b. kilograms
- c. kilometers
- d. kilonewtons
- e. kiloliters

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

20. Which of the following statements accurately describes vitamins?

- a. Vitamins are inorganic and do not provide energy.
- b. Vitamins are indestructible.
- c. Almost every action in the body requires the assistance of vitamins.

Chapter 01

- d. Vitamins A, D, E, and K are water-soluble vitamins.
- e. Cooking vegetables at high temperatures helps maintain the vitamins.

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

21. There are _____ vitamins and each has its own special dietary role to play.
- a. eight
 - b. 13
 - c. 16
 - d. 23
 - e. 26

ANSWER: b
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

22. Which of the following statements about minerals is FALSE?
- a. Minerals are found in bones and teeth.
 - b. Minerals influence fluid balance and distribution.
 - c. There are six minerals known to be essential to human nutrition.
 - d. Minerals are inorganic and do not provide energy.
 - e. Lead is a mineral and an environmental contaminant.

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Multiple Choice

Chapter 01

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

23. What essential nutrient provides the environment in which nearly all the body's activities take place?

- a. Proteins
- b. Carbohydrates
- c. Water
- d. Alcohol
- e. Vitamins

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

24. Which of the following terms is defined as the science of how nutrients affect the activities of genes and how genes affect the activities of nutrients?

- a. Genetic counseling
- b. Nutritional genomics
- c. Genetic metabolomics
- d. Nutritional genetics
- e. Biochemical nutrition

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

25. The scientific method always begins with _____.

Chapter 01

- a. a problem or a question
- b. an experiment
- c. a theory
- d. a prediction
- e. interpretations

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

26. When conducting research, an educated guess like, “Diets rich in fiber always lead to good health,” is called a _____.

- a. theory
- b. prediction
- c. hypothesis
- d. correlation
- e. deduction

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

27. Which of the following best describes randomization?

- a. The repetition of an experiment and getting the same results
- b. The process of choosing members of experimental and control groups without bias
- c. The personal account of an experience
- d. The experimentation on subjects who do not know to which group they've been assigned
- e. The knowledge that experimental results were based in fact

ANSWER: b

Chapter 01

POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

28. What is a weakness of an epidemiological study?
- a. Findings on some human beings cannot be generalized to all human beings.
 - b. Results from animal studies cannot be applied to human beings.
 - c. Cause and effect cannot be proven.
 - d. Code of ethics prevent certain treatments.
 - e. The list of possible causes of disease is difficult to narrow down.

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

29. What is a strength of laboratory-based studies?
- a. It can raise questions to pursue through other research.
 - b. It can determine the effects of a variable.
 - c. Results from animal studies can be applied to human beings.
 - d. The list of possible causes of disease can be expanded.
 - e. It can control variables that may influence the prevention of a disease.

ANSWER: b
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

30. Researchers benefit from a large sample size because _____.

- a. chance variation is less likely to affect the results
- b. any placebo effect is eliminated
- c. it increases the likelihood of double-blind results
- d. the control group will more like the experimental group
- e. experimenter bias is less likely to have an effect

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

31. Your research findings suggest “the less vitamin C, the fewer colds.” What do your findings suggest?

- a. No correlation
- b. A positive correlation
- c. A negative correlation
- d. A placebo effect
- e. Validity

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

32. Which of the following statements describes a double-blind experiment?

- a. The experimental and control groups take turns getting each treatment.
- b. Neither subjects nor researchers know which subjects are in the control or experimental groups.
- c. Neither group of subjects knows whether they are in the control or experimental group, but the researchers do know.

Chapter 01

- d. Both subject groups know whether they are in the control or experimental group, but the researchers do not know.
- e. Neither the subjects nor the persons having contact with the subjects know the true purpose of the experiment.

ANSWER: b
POINTS: 1
DIFFICULTY: Bloom's: Evaluate
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

33. Which term describes the process in which a panel of scientists rigorously evaluates a research study to ensure that the scientific method was followed?

- a. Peer review
- b. Systematic review
- c. Research validity
- d. Meta-analysis
- e. Peer replication

ANSWER: a
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

34. To be accepted into the body of nutrition knowledge, research findings must stand up to rigorous, repeated testing in experiments conducted by other researchers. This is called _____.

- a. validity
- b. correlation
- c. replication
- d. randomization
- e. anecdotal evidence

ANSWER: c
POINTS: 1

Chapter 01

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

35. Which part of a research article defines key terms, study design, subjects, and procedures?

- a. References
- b. Introduction
- c. Abstract
- d. Methodology
- e. Results

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

36. You have been asked to help a top nutrition researcher conduct human double-blind experiments on vitamin C. As the subjects walk into the laboratory, you distribute all the vitamin C pill bottles to the girls and all the placebo pill bottles to the boys. The researcher instantly informs you that there are **two** errors in your research practice. What steps should you have taken to conduct your experiment correctly?

- a. You should have given all the boys the vitamin C and all the girls the placebo, and then told them what they were getting.
- b. You should have distributed the bottles randomly, randomizing the subjects, and then told them what they were getting.
- c. You should have told the subjects which group they were in, while preventing yourself from knowing the contents of the pill bottles.
- d. You should have prevented yourself from knowing what was in the pill bottles, and distributed the bottles randomly to the subjects.
- e. You should have allowed the subjects to decide whether they take vitamin C or the placebo, and then given them the opposite of what they requested.

ANSWER: d

POINTS: 1

Chapter 01

DIFFICULTY: Bloom's: Evaluate

REFERENCES: 1.3 The Science of Nutrition

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

37. Which of the following is *not* a category of the Dietary Reference Intake (DRI)?

- a. Estimated Average Requirements (EAR)
- b. Recommended Dietary Allowances (RDA)
- c. Adequate Intakes (AI)
- d. Tolerable Upper Intake Levels (UL)
- e. Anthropometric Measurements (AM)

ANSWER: e

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

38. The lowest continuing intake of a nutrient that will maintain a specified criterion of adequacy is called a nutrient _____.

- a. allowance
- b. requirement
- c. tolerable limit
- d. adequate intake
- e. recommendation

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

39. The Estimated Average Requirement (EAR) for a nutrient meets the needs of about _____ of the population.

- a. 5%
- b. 25%
- c. 50%
- d. 75%
- e. 98%

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 10:47 AM

40. Which of the following statements best describes the Recommended Dietary Allowance (RDA) for a nutrient?

- a. It is set more than twice as high as the average person needs.
- b. It is the minimum amount that the average person needs in her diet.
- c. It is designed to meet the needs of nearly all healthy people.
- d. It is designed to prevent deficiency diseases of about half of the general population.
- e. It is reflective of current dietary preferences and trends.

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

41. The Recommended Dietary Allowance (RDA) for a nutrient meets the needs of about _____ of the population.

- a. 5%

Chapter 01

- b. 25%
- c. 50%
- d. 75%
- e. 98%

ANSWER: e

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 10:48 AM

42. Which of the following statements accurately describes nutrient intakes?

- a. Higher nutrient intakes are always safer than lower intakes.
- b. Nutrient intakes below the EAR decrease the risk of deficiency.
- c. A typical nutrient intake falling between the RDA and the EAR is almost always adequate.
- d. Nutrient intakes above the RDA are required to be safe.
- e. Nutrient intakes above the UL put an individual at risk of toxicity.

ANSWER: e

POINTS: 1

DIFFICULTY: Bloom's: Evaluate

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

43. Which of the following is defined as the maximum daily amount of a nutrient that appears safe for most people and beyond which there is an increased risk of adverse side effects?

- a. EER
- b. UL
- c. AI
- d. RDA
- e. DRI

ANSWER: b

POINTS: 1

Chapter 01

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

44. Which of the following statements about the Estimated Energy Requirement (EER) is FALSE?

- a. It is the average dietary energy intake that will maintain energy balance in a person with a healthy body weight and level of physical activity.
- b. EER is measured in kcalories per day.
- c. Food energy is needed to sustain a healthy and active life.
- d. UL for energy are based on a person's age, gender, weight, and height.
- e. Any dietary intake in excess of energy needs results in weight gain.

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

45. What is the Acceptable Macronutrient Distribution Range (AMDR) for carbohydrates?

- a. 5% to 10%
- b. 15% to 20%
- c. 25% to 40%
- d. 45% to 65%
- e. 70% to 80%

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

46. Which of the following statements about nutrient recommendations worldwide is FALSE?
- a. Fewer than 20 nations have nutrient standards similar to those in the U.S.
 - b. Standards in other countries may reflect differences in data interpretation.
 - c. Food habits and physical activities of people in other countries affect their published nutrient standards.
 - d. Some countries use recommendations developed by the Food and Agriculture Organization and the World Health Organization.
 - e. Nutrient recommendations from international groups are sufficient to maintain health in healthy people worldwide.

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

47. Which of the following statements accurately describes Dietary Reference Intakes?
- a. They are used to treat people with diet-related disorders.
 - b. They assess the adequacy of all required nutrients.
 - c. They aid in the planning and evaluation of diets for healthy people.
 - d. They are used to assess the adequacy of vitamins and minerals only.
 - e. They can be used diagnose diet-related disorders.

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Apply

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

48. Sun is extremely thin, is losing muscle tissue, and is becoming prone to infections. Which term best describes Sun's condition?

Chapter 01

- a. Undernutrition
- b. Overnutrition
- c. Nutrient overdose
- d. Anthropometric
- e. Subclinical

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.5 Nutrition Assessment

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

49. Which of the following is *not* a nutrition assessment used by a trained health care professional?

- a. Historical information
- b. Physical examinations
- c. Anthropometric measurements
- d. Personality profile screening
- e. Laboratory tests

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

50. Which of the following terms is defined as an account of a client's disease risks?

- a. Health history
- b. Drug history
- c. Diet history
- d. Anthropometric history
- e. Psychological history

ANSWER: a

POINTS: 1

Chapter 01

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

51. You are a health care professional tasked with taking an anthropometric measurement of a client. Which of the following would you measure?

- a. Body weight
- b. Blood pressure
- c. Blood iron level
- d. Cholesterol levels
- e. Serum electrolytes

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.5 Nutrition Assessment

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

52. Which statement accurately describes physical exams as a nutrition assessment tool?

- a. Hair and posture can provide clues to nutrient imbalances.
- b. Physical symptoms typically reflect deficiency in one particular nutrient.
- c. Unlike other assessment techniques, exams yield firm results.
- d. Physical exams cannot detect nutrient toxicity.
- e. Exams can reveal covert changes in the body.

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

53. Which of the following reflects the correct sequence of stages in the development of a nutrient deficiency?

- a. Declining nutrient stores, abnormal functions within the body, and overt signs
- b. Abnormal functions within the body, declining nutrient stores, and overt signs
- c. Abnormal functions within the body, overt signs, and declining nutrient stores
- d. Declining nutrient stores, overt signs, and abnormal functions within the body
- e. Overt signs, abnormal functions, and declining nutrient stores

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.5 Nutrition Assessment

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

54. A diet history provides clues to _____ deficiencies.

- a. subclinical
- b. primary
- c. secondary
- d. covert
- e. anecdotal

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

55. Which of the following defines a subclinical deficiency?

- a. A nutrient deficiency caused by inadequate dietary intake of a nutrient
- b. A nutrient deficiency caused by something like a disease condition or drug reaction that reduces absorption, accelerates use, hastens excretion, or destroys the nutrient
- c. A deficiency in the early stages, before the outward signs have appeared

Chapter 01

- d. A deficiency that exhibits conflicting outward signs, requiring laboratory diagnosis
- e. An iron deficiency

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.4 Dietary Reference Intakes
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

56. What We Eat in America collects data on the kinds and amounts of food people eat. It is an example of a national _____.

- a. nutrition survey
- b. health goal
- c. trend
- d. health examination
- e. anthropometric measurement

ANSWER: a
POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.5 Nutrition Assessment
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

57. Researchers collect data to assess a population's nutrition status. Which of the following statements is true for the United States today?

- a. Congress uses the research data to regulate the food supply.
- b. The Healthy People program met its 2020 goal to improve consumption of fruits and vegetables.
- c. The food industry uses research data to establish research priorities.
- d. The Healthy People program did not meet its 2020 goal for improving physical activity.
- e. Obesity rates are in decline for the first time in decades.

ANSWER: a
POINTS: 1
DIFFICULTY: Bloom's: Evaluate

Chapter 01

REFERENCES: 1.5 Nutrition Assessment

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

58. What is the purpose of the Healthy People program?

- a. To establish the DRI
- b. To identify national trends in food consumption
- c. To identify leading causes of death in the United States
- d. To set goals for the nation's health over the next 10 years
- e. To decrease health care costs

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.5 Nutrition Assessment

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

59. Chronic diseases are responsible for _____ of adult deaths in the U.S.

- a. 12%
- b. 25%
- c. 50%
- d. 70%
- e. 85%

ANSWER: d

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 10:48 AM

Chapter 01

60. Of the top seven causes of death in the United States, how many are linked with diet?

- a. 1
- b. 2
- c. 4
- d. 5
- e. 7

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

61. What is the leading cause of death in the United States?

- a. Cancers
- b. Heart disease
- c. Strokes
- d. Suicide
- e. Accidents

ANSWER: b

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

62. Which statement *best* explains the association between a risk factor and the development of a disease?

- a. Anyone with a risk factor will develop the disease.
- b. The absence of a risk factor guarantees freedom from the disease.
- c. The fewer risk factors for a disease, the better the chances for good health.
- d. Interventions must be targeted to each individual risk factor.
- e. Risk factors tend to be short-lived, so their presence does not predict long-term risk of disease.

ANSWER: c

Chapter 01

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.6 Diet and Health
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

63. What is the most prominent risk factor in the United States?

- a. Poor dietary habits
- b. Tobacco use
- c. Alcohol consumption
- d. Physical inactivity
- e. Unsafe driving

ANSWER: b
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.6 Diet and Health
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

64. Approximately how many people in the United States are overweight or obese?

- a. 10%
- b. 20%
- c. 40%
- d. 60%
- e. 80%

ANSWER: d
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.6 Diet and Health
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 10:55 AM

65. For those who do not smoke or drink alcohol excessively, the one choice that can influence chronic disease risks more than any other is _____.

- a. diet
- b. avoiding toxins
- c. handwashing
- d. physical activity
- e. safe sex

ANSWER: a

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

66. What is the best source of nutrition information?

- a. Reputable news outlets
- b. Medical doctor
- c. Registered dietitian
- d. Health food store manager
- e. Internet

ANSWER: c

POINTS: 1

DIFFICULTY: Bloom's: Evaluate

REFERENCES: H-1 Nutrition Information and Misinformation

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

67. Which title is bestowed on an individual who specializes in providing nutrition services through organized community efforts?

- a. Dietetic technician
- b. Registered dietitian

Chapter 01

- c. Certified nutritionist
- d. Dietetic technician, registered
- e. Public health nutritionist

ANSWER: e
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: H-1 Nutrition Information and Misinformation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 3/15/2018 5:18 AM

68. Which title is granted by alternative educational programs and sounds authoritative but lacks the credentials of an RDN?

- a. Dietetic technician
- b. Registered dietitian
- c. Certified nutritionist
- d. Dietetic technician, registered
- e. Public health nutritionist

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: H-1 Nutrition Information and Misinformation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 3/15/2018 5:18 AM

69. Which title is given to a person who has a minimum of a bachelor's degree from an accredited university, has completed a supervised practice program, and has passed a national examination administered by the Academy of Nutrition and Dietetics?

- a. Medical doctor
- b. Registered dietitian nutritionist
- c. Certified nutritionist
- d. Certified nutrition therapist
- e. Registered nutritional consultant

ANSWER: b

Chapter 01

POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: H-1 Nutrition Information and Misinformation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 3/15/2018 5:18 AM

70. Which title is given to a person who has a minimum of an associate's degree from an accredited university and assists registered dietitians?

- a. Dietetic clerk
- b. Nutritional assistant
- c. Dietetic technician
- d. Nutrition porter
- e. Public health dietitian

ANSWER: c
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: H-1 Nutrition Information and Misinformation
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 3/15/2018 5:20 AM

71. The ability to interact effectively with people from diverse cultures is called _____.

ANSWER: cultural competence
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.1 Food Choices
QUESTION TYPE: Completion
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

72. Minerals and water are _____ nutrients because they do not contain carbon.

ANSWER: inorganic

Chapter 01

POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Completion
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

73. A personal account of an experience or event, which does not make for reliable scientific information, is called a/an _____.

ANSWER: anecdote
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Completion
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

74. The lowest continuing intake of a nutrient that will maintain a specified criterion of adequacy is called a/an _____.

ANSWER: requirement
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.4 Dietary Reference Intakes
QUESTION TYPE: Completion
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

75. Something that is out in the open and easy to observe is said to be _____.

ANSWER: overt
POINTS: 1
DIFFICULTY: Bloom's: Remember
REFERENCES: 1.5 Nutrition Assessment
QUESTION TYPE: Completion

Chapter 01

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

76. A condition associated with an elevated frequency of disease but not proved to be causal is called a _____.

ANSWER: risk factor

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Completion

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

77. _____ is the mental activity of rationally and skillfully analyzing, synthesizing, and evaluating information.

ANSWER: Critical thinking

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: H-1 Nutrition Information and Misinformation

QUESTION TYPE: Completion

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

Match the correct answer with the appropriate term.

- a. 1
- b. 16
- c. 40
- d. Vitamins
- e. Phytochemicals
- f. Fat
- g. Water
- h. Hypothesis
- i. Energy

Chapter 01

- j. Calorie
- k. Placebo
- l. Alcohol
- m. Randomization
- n. Anecdote
- o. Healthy People
- p. Diet history
- q. Drug history
- r. Overnutrition
- s. Laboratory testing
- t. Subclinical deficiency

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.2 The Nutrients
1.3 The Science of Nutrition
1.5 Nutrition Assessment

QUESTION TYPE: Matching

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

DATE CREATED: 10/31/2017 8:06 AM

DATE MODIFIED: 3/15/2018 5:22 AM

78. Nutrient found in 60% of the human body

ANSWER: g

POINTS: 1

79. An energy-yielding non-nutrient

ANSWER: l

POINTS: 1

80. An organic micronutrient

ANSWER: d

POINTS: 1

81. A measure of heat energy

ANSWER: j

POINTS: 1

82. The capacity to do work

Chapter 01

ANSWER: i

POINTS: 1

83. Non-nutrient compounds found in plants

ANSWER: e

POINTS: 1

84. An energy-yielding nutrient

ANSWER: f

POINTS: 1

85. Number of nutrients known to be essential to humans

ANSWER: c

POINTS: 1

86. Energy (kcal) required to increase temperature of 1 kg of water 1° C

ANSWER: a

POINTS: 1

87. Number of essential minerals in the human diet

ANSWER: b

POINTS: 1

88. A personal account of an event

ANSWER: n

POINTS: 1

89. A sham treatment in controlled research studies

ANSWER: k

POINTS: 1

90. Choosing experimental members without bias

ANSWER: m

POINTS: 1

91. A tentative solution to a scientific problem

ANSWER: h

POINTS: 1

92. Record of eating behaviors

ANSWER: p

POINTS: 1

93. National public health initiative

Chapter 01

ANSWER: o

POINTS: 1

94. Record of all prescribed and over-the-counter medications

ANSWER: q

POINTS: 1

95. Clinical examination of blood and urine

ANSWER: s

POINTS: 1

96. Excess energy or nutrition

ANSWER: r

POINTS: 1

97. A nutrient deficiency before outward signs have appeared

ANSWER: t

POINTS: 1

98. The choices a person makes regarding food are highly personal. List and describe five factors that influence a person's food choices.

ANSWER:

Preferences: As you might expect, the number one reason most people choose certain foods is taste—they like the flavor. Two widely shared preferences are for the sweetness of sugar and the savoriness of salt. High-fat foods also appear to be a universally common preference.

Habit: People sometimes select foods out of habit. They eat cereal every morning, for example, simply because they have always eaten cereal for breakfast. Eating a familiar food and not having to make any decisions can be comforting.

Ethnic Heritage and Regional Cuisines: Among the strongest influences on food choices are ethnic heritage and regional cuisines. People tend to prefer the foods they grew up eating. Every country, and in fact every region of a country, has its own typical foods and ways of combining them into meals. These cuisines reflect a unique combination of local ingredients and cooking styles.

Marketing: Food companies spend billions of dollars building brand loyalty and enticing busy customers with convenience foods.

Social Interactions: Most people enjoy companionship while eating. It's fun to go out with friends for a meal or share a snack when watching a movie together. Meals are often social events, and sharing food is part of hospitality. Social customs invite people to accept food or drink offered by a host or shared by a group—regardless of hunger signals.

Availability, Convenience, and Economy: People often eat foods that are accessible, quick and easy to prepare, and within their financial means. Consumers who value convenience frequently eat out, bring home ready-to-eat meals, or have food delivered.

Positive and Negative Associations: People tend to like particular foods associated with happy occasions—such as hot dogs at ball games or cake and ice cream at birthday parties. By the same token, people can develop aversions and dislike foods that they ate when they felt sick or that they were forced to eat in negative situations. Similarly, children learn to like and dislike certain foods when their parents use foods as rewards or punishments.

Emotions: Emotions guide food choices and eating behaviors. Some people cannot eat when they are emotionally upset. Others may eat in response to a variety of emotional stimuli—for example, to relieve boredom or depression or to calm anxiety.

Chapter 01

Values: Food choices may reflect people's religious beliefs, political views, or environmental concerns.

Body Weight and Image: Sometimes people select certain foods and supplements that they believe will improve their physical appearance and avoid those they believe might be detrimental. Such decisions can be beneficial when based on sound nutrition and fitness knowledge, but decisions based on fads or carried to extremes undermine good health.

Nutrition and Health Benefits: Many consumers make food choices they believe will improve their health.

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.1 Food Choices
QUESTION TYPE: Essay
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.1 - Describe how various factors influence personal food choices.
DATE CREATED: 10/31/2017 7:54 AM
DATE MODIFIED: 10/31/2017 8:05 AM

99. Name and describe the energy-yielding nutrients. How is the energy measured? How does the body use energy?

ANSWER: The energy-yielding nutrients are carbohydrates, fat, and protein, which are measured in calories or kcalories. Because fat provides the most energy, it has the highest energy density—9 kcalories per gram. Carbohydrates and protein each yield 4 kcalories per gram. When the body uses carbohydrate, fat, or protein to fuel its activities, the bonds between the nutrient's atoms break. As the bonds break, they release energy. Some of this energy is released as heat, but some is used to send electrical impulses through the brain and nerves, to synthesize body compounds, and to move muscles. Thus, the energy from foods supports all of the body's movements from quiet thought to vigorous sports. If the body does not use these nutrients to fuel its current activities, it converts them into storage compounds, to be used between meals and overnight when fresh energy supplies run low. If more energy is consumed than expended, the result is an increase in energy stores and weight gain.

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.2 The Nutrients
QUESTION TYPE: Essay
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.2 - Name the six major classes of nutrients and identify which are organic and which yield energy.
DATE CREATED: 10/31/2017 7:54 AM
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100. Describe the double-blind technique and why it is important to research studies. Include a discussion of the importance of controls.

ANSWER: *Double Blind:* When both the subjects and the researchers do not know which subjects are in which group, the study is called a double-blind experiment. Being fallible human beings and having an emotional and sometimes financial investment in a successful outcome, researchers might record and interpret results with a bias in the expected direction. To prevent such bias, the pills are coded by a third party, who does not reveal to the

Chapter 01

experimenters which subjects are in which group until all results have been recorded.
Controls: Research studies include control groups, which are similar in all possible respects to the experimental group, except for the treatment. This is accomplished through randomization. Ideally, the control group receives a placebo while the experimental group receives the real treatment.

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.3 The Science of Nutrition
QUESTION TYPE: Essay
HAS VARIABLES: False
LEARNING OBJECTIVES: UNUT.WHRO.16.1.3 - Explain the scientific method and how scientists use various types of research studies and methods to acquire nutrition information.
DATE CREATED: 10/31/2017 7:54 AM
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101. Compare and contrast the four categories of Dietary Reference Intakes (DRIs).

ANSWER: Estimated Average Requirements (EAR): The committee reviews hundreds of research studies to determine the requirement for a nutrient—how much is needed in the diet. The committee selects a different criterion for each nutrient based on its roles in supporting various activities in the body and in reducing disease risks.
An examination of all the available data reveals that each person's body is unique and has its own set of requirements. Men differ from women, and needs change as people grow from infancy through old age. For this reason, the committee clusters its recommendations for people into groups based on gender and age. Even so, the exact requirements for people of the same gender and age are likely to be different. Using this information, the committee determines an Estimated Average Requirement (EAR) for each nutrient—the average amount that appears sufficient for half of the population.
Recommended Dietary Allowances (RDA): Once a nutrient requirement is established, the committee must decide what intake to recommend for everybody—the Recommended Dietary Allowance (RDA). The EAR is probably closest to everyone's need. If people consumed exactly the average requirement of a given nutrient each day, however, approximately half of the population would develop deficiencies of that nutrient. Recommendations are therefore set greater than the EAR to meet the needs of most healthy people.
Adequate Intakes (AI): For some nutrients, such as vitamin K, there is insufficient scientific evidence to determine an EAR (which is needed to set an RDA). In these cases, the committee establishes an Adequate Intake (AI) instead of an RDA. An AI reflects the average amount of a nutrient that a group of healthy people consumes. Like the RDA, the AI may be used as nutrient goals for individuals.
Tolerable Upper Intake Levels (UL): The recommended intakes for nutrients are generous, yet they may not be sufficient for every individual for every nutrient. Nevertheless, it is probably best not to exceed these recommendations by very much or very often. Individual tolerances for high doses of nutrients vary, and somewhere beyond the recommended intake is a point beyond which a nutrient is likely to become toxic. This point is known as the Tolerable Upper Intake Level (UL).

POINTS: 1
DIFFICULTY: Bloom's: Understand
REFERENCES: 1.4 Dietary Reference Intakes
QUESTION TYPE: Essay
HAS VARIABLES: False

Chapter 01

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

102. Why are the EER and AMDR such important metrics?

ANSWER: Estimated Energy Requirement (EER): The energy recommendation—called the Estimated Energy Requirement (EER)—represents the average dietary energy intake (kcalories per day) that will maintain energy balance in a person who has a healthy body weight and level of physical activity. Balance is key to the energy recommendation. Enough food energy is needed to sustain a healthy and active life, but too much can lead to weight gain and obesity. Because any amount in excess of energy needs will result in weight gain, no upper level for energy has been determined.

Acceptable Macronutrient Distribution Ranges (AMDR)

People don't eat energy directly; they derive energy from foods containing carbohydrates, fats, and proteins. Each of these three energy-yielding nutrients contributes to the total energy intake, and those contributions vary in relation to one another. The DRI committee has determined that the composition of a diet that provides adequate energy and nutrients and reduces the risk of chronic diseases is:

45 to 65 percent kcalories from carbohydrate

20 to 35 percent kcalories from fat

10 to 35 percent kcalories from protein.

POINTS: 1

DIFFICULTY: Bloom's: Understand

REFERENCES: 1.4 Dietary Reference Intakes

QUESTION TYPE: Essay

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.4 - Define the four categories of the DRI and explain their purposes.

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103. Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

ANSWER: To prepare a nutrition assessment, a registered dietitian (or registered dietitian nutritionist), dietetic technician registered, or other trained health-care professional uses:

Historical information

Anthropometric measurements

Physical examinations

Laboratory tests

One step in evaluating nutrition status is to obtain information about a person's history with respect to health status, socioeconomic status, drug use, and diet. The health history reflects a person's medical record and may reveal a disease that interferes with the person's ability to eat or the body's use of nutrients. The person's family history of major diseases is also noteworthy, especially for conditions such as heart disease that have a genetic tendency to run in families. Economic circumstances may show a financial inability to buy foods or inadequate kitchen facilities in which to prepare them. Social factors such as marital status, ethnic background, and educational level also influence food choices and nutrition status. A drug history, including all prescribed and over-the-counter medications, may highlight possible interactions that lead to nutrient deficiencies.

A second technique that may help to reveal nutrition problems is taking anthropometric measures such as height and weight. The assessor compares a person's measurements

Chapter 01

with standards specific for gender and age or with previous measures on the same individual.

A third nutrition assessment technique is a physical examination looking for clues to poor nutrition status. Visual inspection of the hair, eyes, skin, posture, tongue, and fingernails can provide such clues. In addition, information gathered from an interview can help identify symptoms. The examination requires skill because many physical signs and symptoms reflect more than one nutrient deficiency or toxicity—or even non-nutrition conditions. Like the other assessment techniques, a physical examination alone does not yield firm conclusions. Instead, physical examinations reveal possible imbalances that must be confirmed by other assessment techniques, or they confirm results from other assessment measures.

A fourth way to detect a developing deficiency, imbalance, or toxicity is to take samples of blood or urine, analyze them in the laboratory, and compare the results with normal values for a similar population. Laboratory tests are most useful in uncovering early signs of malnutrition before symptoms appear. In addition, they can confirm suspicions raised by other assessment methods.

POINTS:	1
DIFFICULTY:	Bloom's: Understand
REFERENCES:	1.5 Nutrition Assessment
QUESTION TYPE:	Essay
HAS VARIABLES:	False
LEARNING OBJECTIVES:	UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.
DATE CREATED:	10/31/2017 7:54 AM
DATE MODIFIED:	10/31/2017 8:05 AM

104. Imagine that you are in charge of *What We Eat in America*, a national nutrition survey. Some people have suggested eliminating the survey due to budget constraints. How would you respond?

ANSWER: National nutrition surveys gather information about the population's dietary, nutritional, and related health status. The data provide valuable information on several nutrition-related conditions, such as growth retardation, heart disease, and nutrient deficiencies. National nutrition surveys often oversample high-risk groups (low-income families, pregnant women, adolescents, the elderly, African Americans, and Mexican Americans) to glean an accurate estimate of their health and nutrition status. The resulting wealth of information from the national nutrition surveys is used for a variety of purposes. For example, Congress uses this information to establish public policy on nutrition education, food assistance programs, and the regulation of the food supply. Scientists use the information to establish research priorities. The food industry uses these data to guide decisions in public relations and product development. The Dietary Reference Intakes and other major reports that examine the relationships between diet and health depend on information collected from these nutrition surveys. These data also provide the basis for developing and monitoring national health goals.

POINTS:	1
DIFFICULTY:	Bloom's: Apply
REFERENCES:	1.5 Nutrition Assessment
QUESTION TYPE:	Essay
HAS VARIABLES:	False
LEARNING OBJECTIVES:	UNUT.WHRO.16.1.5 - Explain how the four assessment methods are used to detect energy and nutrient deficiencies and excesses.

Chapter 01

DATE CREATED: 10/31/2017 7:54 AM

DATE MODIFIED: 10/31/2017 8:05 AM

105. How are risk factors for chronic diseases determined? What do they mean?

ANSWER: Factors that increase or reduce the risk of developing chronic diseases can be identified by analyzing statistical data. A strong association between a risk factor and a disease means that when the factor is present, the likelihood of developing the disease increases. It does not mean that all people with the risk factor will develop the disease. Similarly, a lack of risk factors does not guarantee freedom from a given disease. On the average, though, the more risk factors in a person's life, the greater that person's chances of developing the disease. Conversely, the fewer risk factors in a person's life, the better the chances for good health.

POINTS: 1

DIFFICULTY: Bloom's: Remember

REFERENCES: 1.6 Diet and Health

QUESTION TYPE: Essay

HAS VARIABLES: False

LEARNING OBJECTIVES: UNUT.WHRO.16.1.6 - Identify several risk factors and explain their relationships to chronic diseases.

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DATE MODIFIED: 10/31/2017 8:05 AM

106. Imagine that a friend tells you she was watching her favorite morning news program on television and saw a segment featuring a story on "surprising new findings" about the health benefits of a new over-the-counter product. She found the product at her local drugstore and shows you the package. What advice would you give her regarding her latest discovery?

ANSWER: Consumers get much of their nutrition information from Internet websites, television news, and magazine articles, which have heightened awareness of how diet influences the development of diseases. Consumers benefit from news coverage of nutrition when they learn to make lifestyle changes that will improve their health. Sometimes, however, popular reports mislead consumers and create confusion. They often tell a lopsided story quickly instead of presenting the integrated results of research studies or a balance of expert opinions.

Tight deadlines and limited understanding sometimes make it difficult to provide a thorough report. Hungry for the latest news, the media often report scientific findings quickly and prematurely—without benefit of careful interpretation, replication, or peer review. Usually, the reports present findings from a single, recently released study, making the news current and controversial. Consequently, the public receives diet and health news fast, but not always in perspective. Reporters may twist inconclusive findings into "meaningful discoveries" when pressured to write catchy headlines and sensational stories.

As a result, "surprising new findings" sometimes seem to contradict one another, and consumers may feel frustrated and betrayed. Occasionally, the reports are downright false, but more often the apparent contradictions are simply the normal result of science at work. A single study contributes to the big picture, but when viewed alone, it can easily distort the image. To be meaningful the conclusions of any study must be presented cautiously within the context of other research findings.

Additionally, there are eight red flags revealing nutrition quackery on product packages or in marketing materials. These include: The word "natural," quick and easy fixes, the promise of satisfaction, the idea that one product does everything, the notion of being time tested or brand new, paranoid accusations, personal testimonials, and meaningless

Chapter 01

	jargon.
<i>POINTS:</i>	1
<i>DIFFICULTY:</i>	Bloom's: Apply
<i>REFERENCES:</i>	H-1 Nutrition Information and Misinformation
<i>QUESTION TYPE:</i>	Essay
<i>HAS VARIABLES:</i>	False
<i>LEARNING OBJECTIVES:</i>	UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
<i>DATE CREATED:</i>	10/31/2017 7:54 AM
<i>DATE MODIFIED:</i>	10/31/2017 8:05 AM

107. Imagine that a friend is contemplating a change in college major. He has always had an interest in healthy living and knows he does not want to work in an office setting. You think he should consider becoming a registered dietitian. What would you tell him about the necessary training and career possibilities?

ANSWER: A registered dietitian nutritionist (RDN) has the educational background necessary to deliver reliable nutrition advice and care. To become an RDN, a person must earn an undergraduate degree requiring about 60 credit hours in nutrition, food science, and other related subjects; complete a year's clinical internship or the equivalent; pass a national examination administered by the Academy of Nutrition and Dietetics; and maintain up-to-date knowledge and registration by participating in required continuing education activities, such as attending seminars, taking courses, or conducting research. dietitians perform a multitude of duties in many settings in most communities. They work in the food industry, pharmaceutical companies, home health agencies, long-term care institutions, private practice, public health departments, research centers, education settings, fitness centers, and hospitals. Depending on their work settings, dietitians can assume a number of different job responsibilities and positions. In hospitals, administrative dietitians manage the foodservice system; clinical dietitians provide client care; and nutrition support team dietitians coordinate nutrition care with other health-care professionals. In the food industry, dietitians conduct research, develop products, and market services.

<i>POINTS:</i>	1
<i>DIFFICULTY:</i>	Bloom's: Apply
<i>REFERENCES:</i>	H-1 Nutrition Information and Misinformation
<i>QUESTION TYPE:</i>	Essay
<i>HAS VARIABLES:</i>	False
<i>LEARNING OBJECTIVES:</i>	UNUT.WHRO.16.H-1 - Recognize misinformation and describe how to identify reliable nutrition information.
<i>DATE CREATED:</i>	10/31/2017 7:54 AM
<i>DATE MODIFIED:</i>	3/15/2018 5:20 AM