Williams Essentials of Nutrition and Diet Therapy 11th Edition Roth Test Bank

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Chapter 01: Nutrition and Health Schlenker & Gilbert: Williams' Essentials of Nutrition and Diet Therapy, 11th Edition

MULTIPLE CHOICE

- 1. The major focus of nutritional recommendations in this century has shifted to:
 - a. prevention and control of chronic diseases.
 - b. improved sanitation and public health.
 - c. prevention and control of infectious diseases.
 - d. development of healthful foods using food technology.

ANS: A DIF: Easy REF: p. 2 MSC: Type of Question: Knowledge

- 2. A physical science that contributes to understanding how nutrition relates to health and well-being is:
 - a. anatomy.
 - b. biochemistry.
 - c. physics.
 - d. pharmacology.

ANS: B DIF: Easy REF: p. 6 MSC: Type of Question: Knowledge

- 3. The body of scientific knowledge related to nutritional requirements of human growth, maintenance, activity, and reproduction is known as:
 - a. physiology.
 - b. nutrition science.
 - c. biochemistry.
 - d. dietetics.

ANS: B DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 4. The professional primarily responsible for application of nutrition science in clinical practice settings is the:
 - a. nurse.
 - b. physician.
 - c. public health nutritionist.
 - d. registered dietitian.

ANS: D DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 5. The primary responsibility for nutrition care of people in the community belongs to the:
 - a. community physician.
 - b. public health nurse.
 - c. public health nutritionist.
 - d. registered dietitian.

ANS: C DIF: Easy REF: p. 7

MSC: Type of Question: Knowledge

- 6. The best source of nutrients is provided by:
 - a. specific food combinations.
 - b. a variety of foods.
 - c. individual foods.
 - d. a variety of food supplements.

ANS: B DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 7. Macronutrients include:
 - a. minerals.
 - b. proteins.
 - c. vitamins.
 - d. enzymes.

ANS: B DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 8. Micronutrients include:
 - a. fats.
 - b. proteins.
 - c. vitamins.
 - d. carbohydrates.

ANS: C DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 9. The sum of all chemical processes inside living cells of the body that sustain life and health is known as:
 - a. physiology.
 - b. digestion.
 - c. metabolism.
 - d. nutrition.

ANS:CDIF:EasyREF:p. 7MSC:Type of Question:Knowledge

- 10. A primary function of macronutrients in the body is to:
 - a. supply energy.
 - b. regulate metabolic processes.
 - c. maintain homeostasis.
 - d. control cellular activity.

ANS: A DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 11. Nutrients interact in the body to regulate metabolic processes, to build and repair tissue, and to:
 - a. provide energy.
 - b. control cellular wastes.
 - c. control hormone levels.

d. regulate absorption.

ANS: A DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 12. Individual nutrients are characterized by their ability to:
 - a. work alone.
 - b. fulfill specific metabolic roles.
 - c. influence weight loss.
 - d. improve mental status.

ANS: B DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 13. The nutrient group that provides the primary source of energy for the body is:
 - a. carbohydrates.
 - b. fats.
 - c. proteins.
 - d. vitamins.

ANS: A DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 14. The primary function of carbohydrates as a food source is to:
 - a. regulate metabolic processes.
 - b. build body tissue.
 - c. supply energy.
 - d. provide bulk.

ANS: C DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 15. The main body storage form of carbohydrates is:
 - a. glycogen.
 - b. starch.
 - c. fat.
 - d. glucose.

ANS: A DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 16. The number of kilocalories (kcalories or kcal) provided by a food that contains 30 g of carbohydrate is:
 - a. 90.
 - b. 120.
 - c. 180.
 - d. 270.

ANS: B

Carbohydrate contains 4 kcal per gram; therefore, 30 g carbohydrate contains $30 \times 4 = 120$ kcal.

DIF: Medium REF: p. 7 MSC: Type of Question: Application

- 17. The percentage of the total daily caloric intake for healthy persons that should be supplied by carbohydrate is:
 - a. 10% to 35%.
 b. 20% to 35%.
 c. 40% to 55%.
 d. 45% to 65%.
 ANS: D DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge
- 18. It has been generally accepted that the percentage of total daily kcalories supplied by fats should be no more than:
 - a. 10% to 15%.
 - b. 10% to 35%.
 - c. 20% to 35%.
 - d. 40% to 55%.

ANS: C DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 19. The number of kcalories provided by a food that contains 22 g of fat is:
 - a. 88.
 - b. 132.
 - c. 154.
 - d. 198.
 - ANS: D

Fat contains 9 kcal per gram; therefore, the number of kcal in 22 g of fat is $22 \times 9 = 198$ kcal.

DIF: Medium REF: p. 7 MSC: Type of Question: Application

- 20. The primary function of protein in the body is to:
 - a. supply energy.
 - b. regulate metabolic processes.
 - c. control muscle contractions.
 - d. build tissue.

ANS:DDIF:EasyREF:p. 7MSC:Type of Question:Knowledge

- 21. The number of kcalories provided by 15 g of protein is:
 - a. 15.
 - b. 45.
 - c. 60.
 - d. 135.

ANS: C

Protein contains 4 kcal per gram; therefore, the number of kcal in 15 g protein is $15 \times 4 = 60$ kcal.

DIF: Medium REF: p. 7 MSC: Type of Question: Application

22. For a healthy person, the percentage of daily kcalories supplied by protein should be: a. 5% to 10%.

- b. 10% to 35%.
- $0. \quad 10\% \ 10\ 55\%.$
- c. more than 25%.d. more than 35%.

ANS: B DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 23. In addition to protein, nutrients that contribute to building and repair of tissue include:
 - a. vitamins.
 - b. carbohydrates.
 - c. fats.
 - d. enzymes.

ANS: A DIF: Easy REF: p. 8 MSC: Type of Question: Knowledge

- 24. The types of acids that form the basic building blocks of protein are _____ acids.
 - a. fatty
 - b. amino
 - c. nucleic
 - d. omega fatty

ANS: B DIF: Easy REF: p. 7 MSC: Type of Question: Knowledge

- 25. In addition to calcium, the major minerals needed to build and maintain bone tissue include:
 - a. potassium.
 - b. iron.
 - c. phosphorus.
 - d. fluoride.

ANS: C DIF: Medium REF: p. 7 MSC: Type of Question: Knowledge

- 26. The mineral that helps control enzyme actions in cell mitochondria that produce and store high-energy compounds is:
 - a. iron.
 - b. cobalt.
 - c. hemoglobin.
 - d. vitamin B_{12} .

ANS: A DIF: Hard REF: p. 8 MSC: Type of Question: Knowledge

- 27. The nutrients involved in metabolic regulation and control include minerals, vitamins, and: a. amino acids.
 - b. carbohydrates.
 - c. fats.
 - d. water.

- 28. An observation that provides evidence that a person has good nutritional status is:
 - a. small muscle mass.
 - b. normal weight-to-height ratio.
 - c. smooth tongue.
 - d. fragile skin.

ANS: B DIF: Easy REF: p. 9 MSC: Type of Question: Knowledge

- 29. Individuals with optimal nutritional status differ from those with marginal nutritional status in their:
 - a. nutrient reserves.
 - b. clinical signs.
 - c. body weight.
 - d. risk for mental illness.

ANS: A DIF: Medium REF: p. 9 MSC: Type of Question: Knowledge

- 30. In addition to poor eating habits, a factor that often contributes to marginal nutritional status is:
 - a. dependence on caffeine.
 - b. acute illness.
 - c. low income.
 - d. size of family unit.

ANS: C DIF: Easy REF: p. 9 MSC: Type of Question: Knowledge

- 31. Signs of malnutrition can appear when:
 - a. nutrient reserves are depleted.
 - b. nutrient intake exceeds daily needs.
 - c. energy intake is restricted.
 - d. caloric expenditure increases.

ANS: ADIF: MediumREF: p. 10MSC: Type of Question: Knowledge

- 32. An age group that is very vulnerable to malnutrition is:
 - a. infants.
 - b. teenagers.
 - c. young adults.
 - d. middle-age adults.

ANS: A DIF: Medium REF: p. 10 MSC: Type of Question: Knowledge

- 33. The function of Dietary Reference Intakes (DRIs) is to designate nutrient recommendations for:
 - a. different ethnic groups.

- b. all individuals.
- c. most people.
- d. most healthy people.

ANS: D DIF: Medium REF: p. 12 MSC: Type of Question: Knowledge

- 34. The Tolerable Upper Intake Level (UL) is:
 - a. a replacement for Recommended Dietary Allowances (RDAs).
 - b. a safe level of intake for people of all ages.
 - c. a potentially toxic level of intake of a nutrient.
 - d. the highest amount of a nutrient that can be safely consumed.

ANS: DDIF: MediumREF: p. 12MSC: Type of Question: Knowledge

- 35. An example of government nutrition policy is:
 - a. MyPlate Food Guidance System.
 - b. Dietary Guidelines for Americans 2010.
 - c. Healthy People 2020.
 - d. Dietary Reference Intakes (DRIs).

ANS: CDIF: MediumREF: p. 11MSC: Type of Question: Knowledge

- 36. MyPlate food guidance is based on:
 - a. percentage of kcalories from each macronutrient.
 - b. Exchange Lists for Meal Planning.
 - c. appropriate amounts of food from each food group.
 - d. amounts of macronutrients and micronutrients.

ANS: C DIF: Medium REF: pp. 16-19 MSC: Type of Question: Knowledge

- 37. Foodborne illness may be caused by contamination of food with:
 - a. pesticides.
 - b. genetically modified ingredients.
 - c. microorganisms.
 - d. food additives.

ANS: CDIF: MediumREF: p. 20MSC: Type of Question: Knowledge

- 38. It is important to understand standard serving sizes of foods because:
 - a. it is easy to eat too much of some nutrients when choosing healthful foods.
 - b. serving sizes have generally decreased over the past few decades.
 - c. most people have difficulty estimating the amount of food they eat.
 - d. food portions need to be weighed to check serving sizes accurately.

ANS: CDIF: HardREF: p. 16MSC: Type of Question: Application

39. Major nutrients supplied by foods in the Vegetables group of MyPlate include:

- a. potassium and vitamin A.
- b. iron and vitamin C.
- c. calcium and vitamin B_{12} .
- d. sodium and vitamin E.

ANS: ADIF: HardREF: p. 17MSC: Type of Question: Knowledge

- 40. A food choice equivalent to one serving from the Grains group of MyPlate is:
 - a. one slice of bread.
 - b. 2 cups of rice.
 - c. 3 cups of spaghetti.
 - d. 4 oz of ready-to-eat cereal.

ANS: ADIF: MediumREF: p. 17MSC: Type of Question: Knowledge

- 41. A food choice equivalent to one serving from the Protein group of MyPlate is:
 - a. 1 Tbsp peanut butter.
 - b. 3 oz fish.
 - c. 2 oz cheese.
 - d. $\frac{1}{2}$ cup cooked dry beans or peas.

ANS: ADIF: HardREF: p. 17MSC: Type of Question: Knowledge

- 42. *Exchange Lists for Meal Planning* was devised by the American Dietetic Association in collaboration with:
 - a. the American Cancer Society.
 - b. the American Diabetes Association.
 - c. the American Heart Association.
 - d. the Culinary Institute of America.

ANS: B DIF: Easy REF: pp. 19-20 MSC: Type of Question: Knowledge

- 43. Exchange Lists for Meal Planning groups foods that are equivalent in their:
 - a. weight.
 - b. serving size.
 - c. micronutrient content.
 - d. macronutrient content.

ANS: D DIF: Medium REF: p. 19 MSC: Type of Question: Knowledge

- 44. *Exchange Lists for Meal Planning* was originally intended as a meal-planning tool for people who have:
 - a. cancer.
 - b. diabetes.
 - c. hypertension.
 - d. heart disease.

ANS: B	DIF: Easy	REF: p. 19
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MSC: Type of Question: Knowledge

- 45. In the most recent edition of *Choose Your Foods: Exchange List for Diabetes*, the three groups into which foods are arranged are:
 - a. fruits and vegetables, breads, and meats.
 - b. fats, starches and sugars, and meat and milk.
 - c. fruits and vegetables, meat and milk, and starches.
 - d. carbohydrates, meat and meat substitutes, and fats.

ANS: D DIF: Medium REF: p. 20 MSC: Type of Question: Knowledge

- 46. The Dietary Guidelines are published and revised by the U.S. Department of Agriculture in association with the:
 - a. Department of Health and Human Services.
 - b. National Institutes of Health.
 - c. National Academy of Sciences.
 - d. Food and Nutrition Board.

ANS: ADIF: MediumREF: p. 13MSC: Type of Question: Knowledge

- 47. A major focus of the 2010 Dietary Guidelines is:
 - a. generally healthy segments of the population.
 - b. the unhealthy American public.
 - c. vulnerable population segments.
 - d. ethnically diverse eating styles.

ANS: B DIF: Medium REF: pp. 13-14 MSC: Type of Question: Knowledge

48. Dietary guidelines are most useful for:

- a. limiting portion sizes.
- b. designing a personal food plan.
- c. making smart food choices.
- d. avoiding excessive nutrient intakes.

ANS: C

Dietary guidelines include recommendations to limit portion sizes and provide general advice that can help with designing a personal food plan, and can help consumers avoid excessive nutrient intakes. However, their main use is to help consumers make wise food choices.

DIF: Medium REF: p. 13 MSC: Type of Question: Application

- 49. One useful outcome of keeping a record of everything you eat and drink for a day is:
 - a. precise estimates of portion sizes.
 - b. determination of appropriate energy intake.
 - c. estimation of supplement needs.
 - d. increased awareness of personal food patterns.

ANS: D DIF: Medium REF: p. 20 MSC: Type of Question: Knowledge