

Χαρακτηριστικά:

- **Conversational, storytelling writing style** breaks down information into brief chapters and chunks of information, making it easier to understand concepts
- **1,400 full-color photographs and drawings** bring difficult A&P concepts to life and illustrate the most current scientific knowledge
- **The Big Picture and Cycle of Life sections** in each chapter help you comprehend the interrelation of body systems and how the structure and function of these change in relation to age and development
- **Interesting sidebars and boxes** include *Language of Science and Medicine, Mechanisms of Disease, Health Matters, Diagnostic Study, FYI, Sports and Fitness, and Career Choices*
- **Connect It! features** call attention to online articles that expand on and apply A&P concepts
- **Learning features** include outlines, key terms, and study hints at the start of each chapter
- **Chapter summaries, review questions, and critical thinking questions** help you consolidate your knowledge after reading each chapter
- **Quick Check questions** reinforce learning by prompting you to review what you have just read
- **Diverse illustrations and images** reflect more accurately the wide spectrum of humanity
- **Comprehensive glossary on the Evolve companion website** includes more terms than in similar textbooks, each with an easy pronunciation guide and simplified translation of word parts — essential features for learning to use scientific and medical terminology
- **NEW Microbiome chapter** discusses the microbial systems that are essential for human development, immunity, and nutrition, relating microbiome dysfunction to autoimmune diseases such as diabetes, rheumatoid arthritis, muscular dystrophy, multiple sclerosis, and fibromyalgia
- **NEW! Updated Career Choices boxes** spotlight new individuals and their advances in the sciences

Περιεχόμενα:

UNIT 1: The Body as a Whole

1. Organization of the Body
2. Homeostasis
3. Chemical Basis of Life
4. Biomolecules
5. Cell Structure
6. Cell Function

- 7. Cell Growth & Development
- 8. Introduction to Tissues
- 9. Tissue Types

UNIT 2: Support & Movement

- 10. Skin
- 11. Skeletal Tissues
- 12. Axial Skeleton
- 13. Appendicular Skeleton
- 14. Articulations
- 15. Axial Muscles
- 16. Appendicular Muscles
- 17. Muscle Contraction

UNIT 3: Communication, Control, & Integration

- 18. Nervous System Cells
- 19. Nerve Signaling
- 20. Central Nervous System
- 21. Peripheral Nervous System
- 22. Autonomic Nervous System
- 23. General Senses
- 24. Special Senses
- 25. Endocrine Regulation
- 26. Endocrine Glands

UNIT 4: Transportation & Defense

- 27. Blood
- 28. Heart
- 29. Blood Vessels
- 30. Circulation of Blood
- 31. Lymphatic System
- 32. Innate Immunity
- 33. Adaptive Immunity
- 34. Stress

UNIT 5: Respiration, Nutrition, & Excretion

- 35. Respiratory Tract
- 36. Ventilation
- 37. Gas Exchange & Transport
- 38. Upper Digestive Tract
- 39. Lower Digestive Tract
- 40. Digestion & Absorption
- 41. Nutrition & Metabolism
- 42. Urinary System

43. Fluid & Electrolyte Balance

44. Acid-Base Balance

UNIT 6: Reproduction & Development

45. Genital Systems

46. Reproduction

47. Growth & Development

48. Genetics & Heredity