

Features:

- **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.
- **UNIQUE! *Clear View of the Human Body* transparencies** allow you to peel back the layers of the body, with a 22-page, full-color insert showing the male and female human body along several planes.
- ***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** include boxed features such as *Language of Science* and *Language of Medicine, Mechanisms of Disease, Health Matters, Diagnostic Study, FYI, Sport and Fitness, and Career Choices*.
- **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 learning after reading each chapter.
- **Quick Check questions** in each chapter reinforce learning by prompting you to review what you have just read.
- **UNIQUE! Comprehensive glossary** 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 To This Edition:

- **NEW! Updated content** reflects more accurately the diverse spectrum of humanity.
- **NEW! Updated chapters** include *Homeostasis, Central Nervous System, Lymphatic System, Endocrine Regulation, Endocrine Glands, and Blood Vessels*.
- **NEW! Additional and updated *Connect It!* articles** on the Evolve website, called out in the text, help to illustrate, clarify, and apply concepts.
- **NEW! Seven guided 3-D learning modules** are included for Anatomy & Physiology.

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 and Development
8. Introduction to Tissues
9. Tissue Types

UNIT 2: Support and 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, and 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 and 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 and Excretion

35. Respiratory Tract
36. Ventilation

- 37. Gas Exchange and Transport
- 38. Upper Digestive Tract
- 39. Lower Digestive Tract
- 40. Digestion and Absorption
- 41. Nutrition and Metabolism
- 42. Urinary System
- 43. Fluid and Electrolyte Balance
- 44. Acid-Base Balance

UNIT 6: Reproduction and Development

- 45. Male Reproductive System
- 46. Female Reproductive System
- 47. Growth and Development
- 48. Genetics and Heredity

Glossary

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