

This International Student Edition is for use outside of the U.S.

FIFTEENTH EDITION

# HUMAN PHYSIOLOGY



B0052185

ห้องสมุดวพ.นครราชสีมา

Mc  
Graw  
Hill  
Education

STUART IRA FOX



# Brief Contents

- 1** The Study of Body Function 1
  - 2** Chemical Composition of the Body 24
  - 3** Cell Structure and Genetic Control 50
  - 4** Enzymes and Energy 88
  - 5** Cell Respiration and Metabolism 106
  - 6** Interactions Between Cells and the Extracellular Environment 130
  - 7** The Nervous System 162
  - 8** The Central Nervous System 206
  - 9** The Autonomic Nervous System 243
  - 10** Sensory Physiology 266
  - 11** Endocrine Glands 316
  - 12** Muscle 359
  - 13** Blood, Heart, and Circulation 404
  - 14** Cardiac Output, Blood Flow, and Blood Pressure 450
  - 15** The Immune System 493
  - 16** Respiratory Physiology 532
  - 17** Physiology of the Kidneys 581
  - 18** The Digestive System 619
  - 19** Regulation of Metabolism 661
  - 20** Reproduction 701
- Appendixes**  
*Answers to Test Your Knowledge Questions A-1*  
*Medical and Pharmacological Abbreviations B-1*
- Glossary G-1**
- Index I-1**