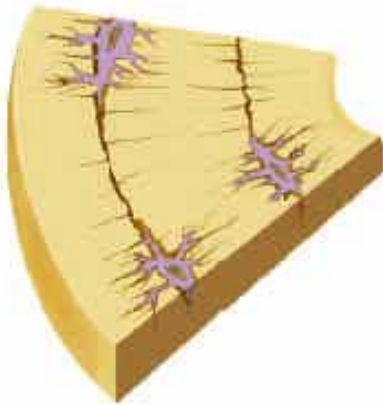


# 66 Exploring Levels of Organization in the Body



1 Cell



2 Tissue



3 Organ



4 Organ System

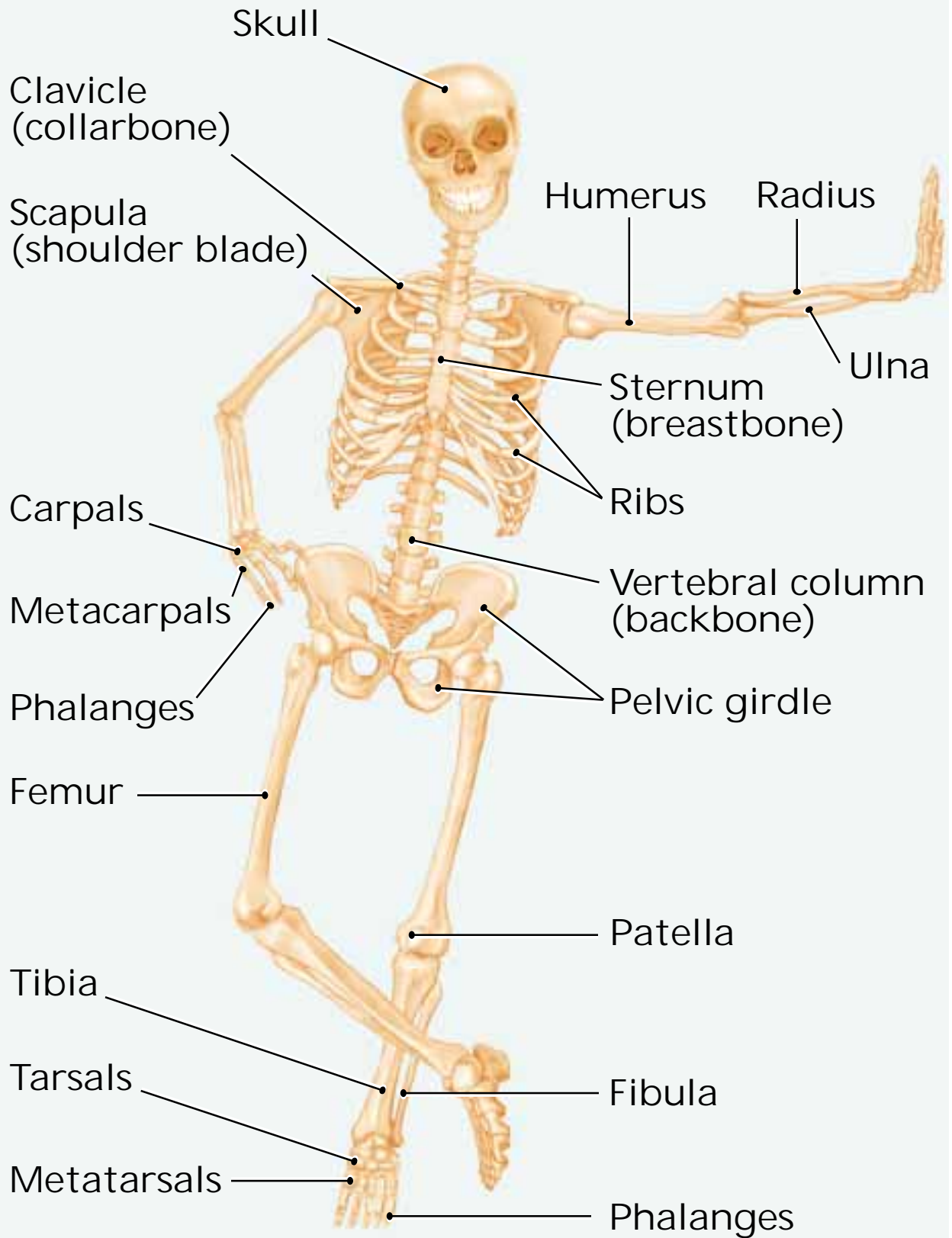


# 67 The Human Skeleton



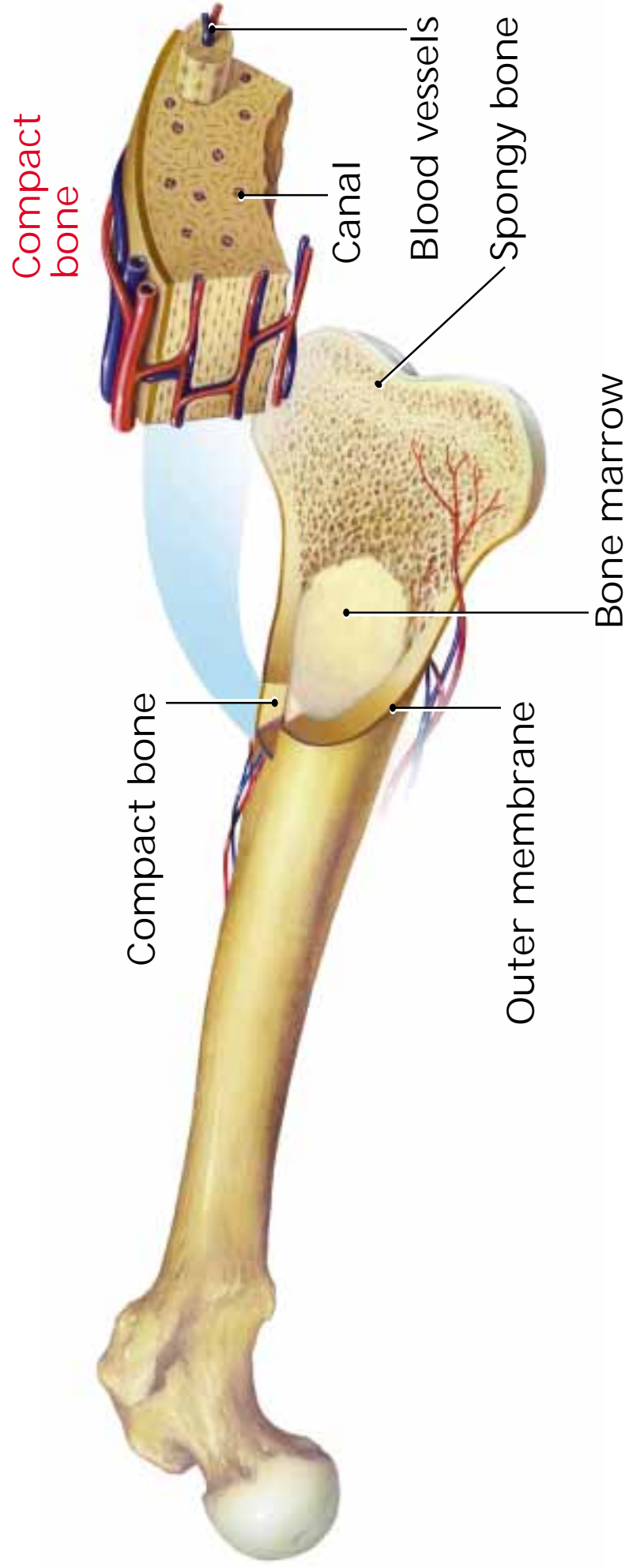
© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science





# 68 The Structure of a Bone



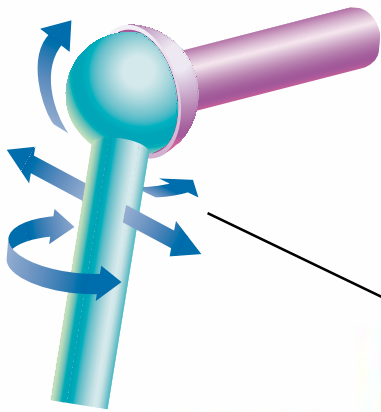
# 69 Exploring Movable Joints



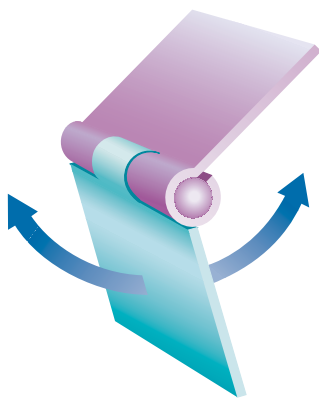
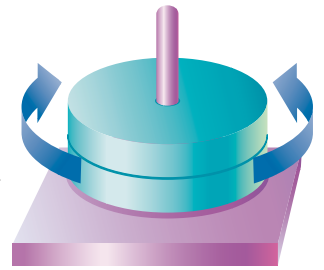
© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science

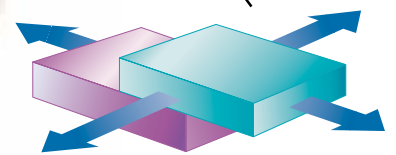
Ball-and-socket joint



Pivot joint



Hinge joint



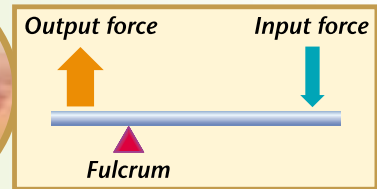
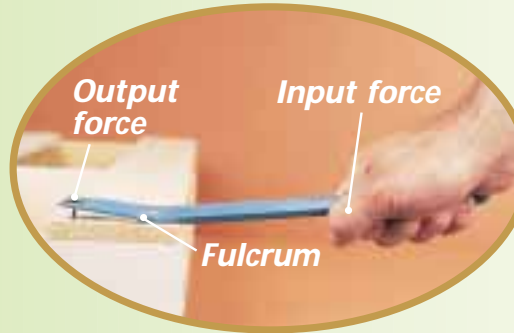
Gliding joint

# 70 The Three Classes of Levers

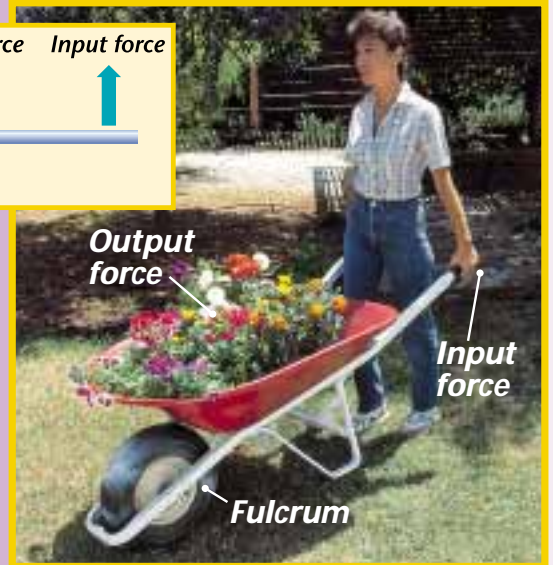
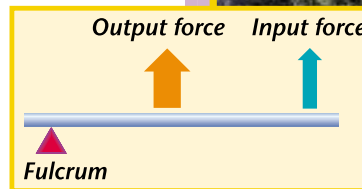


© Prentice-Hall, Inc.

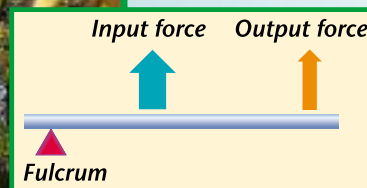
## FIRST-CLASS LEVERS



## SECOND-CLASS LEVERS



## THIRD-CLASS LEVERS



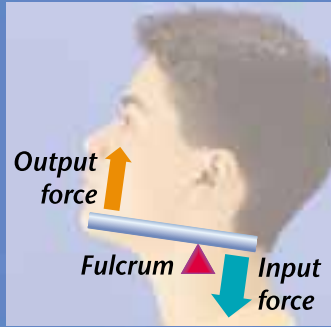
SCIENCE EXPLORER Focus on Life Science

# 71 Exploring Levers in the Body

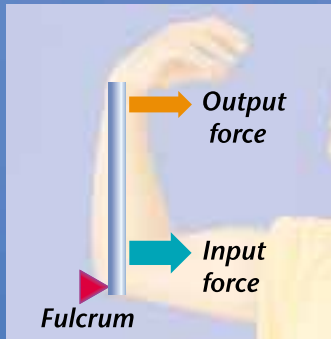


© Prentice-Hall, Inc.

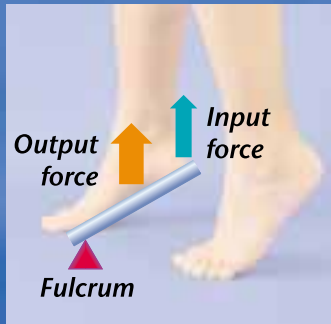
SCIENCE EXPLORER Focus on Life Science



*First-class lever*



*Third-class lever*

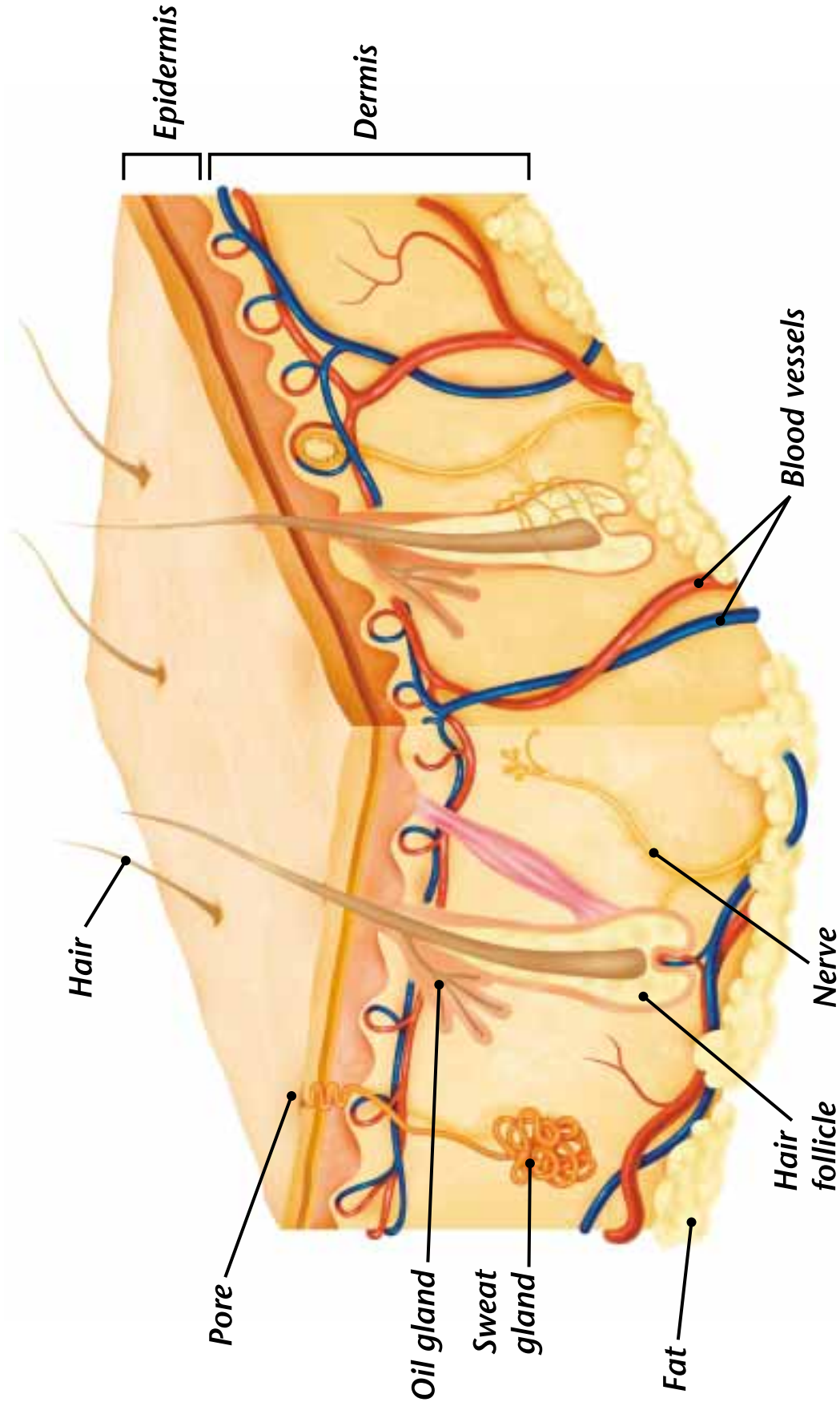


*Second-class lever*





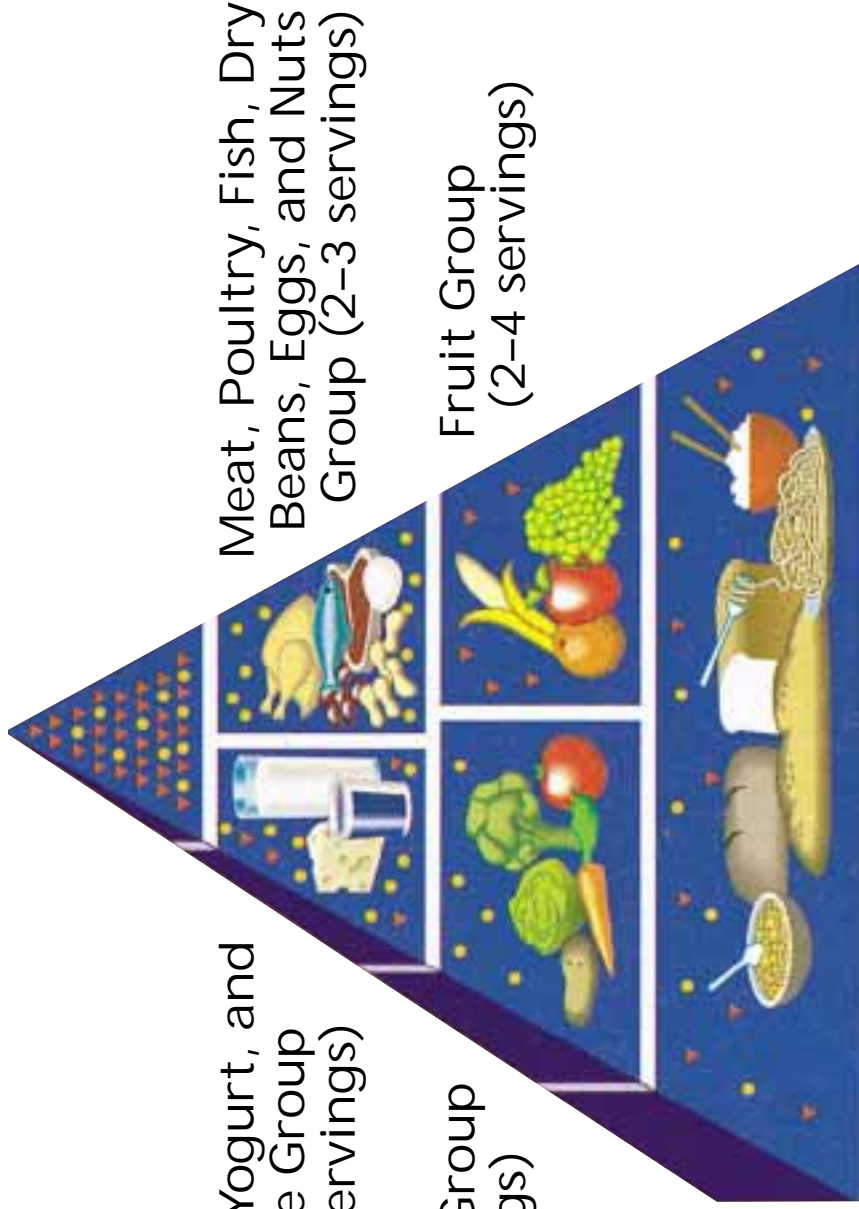
# 72 The Skin





# 73 The Food Guide Pyramid

Fats, Oils, and Sweets  
(Use sparingly.)



Milk, Yogurt, and  
Cheese Group  
(2-3 servings)

Meat, Poultry, Fish, Dry  
Beans, Eggs, and Nuts  
Group (2-3 servings)

Vegetable Group  
(3-5 servings)

Fruit Group  
(2-4 servings)

Bread, Cereal, Rice, and Pasta  
Group (6-11 servings)

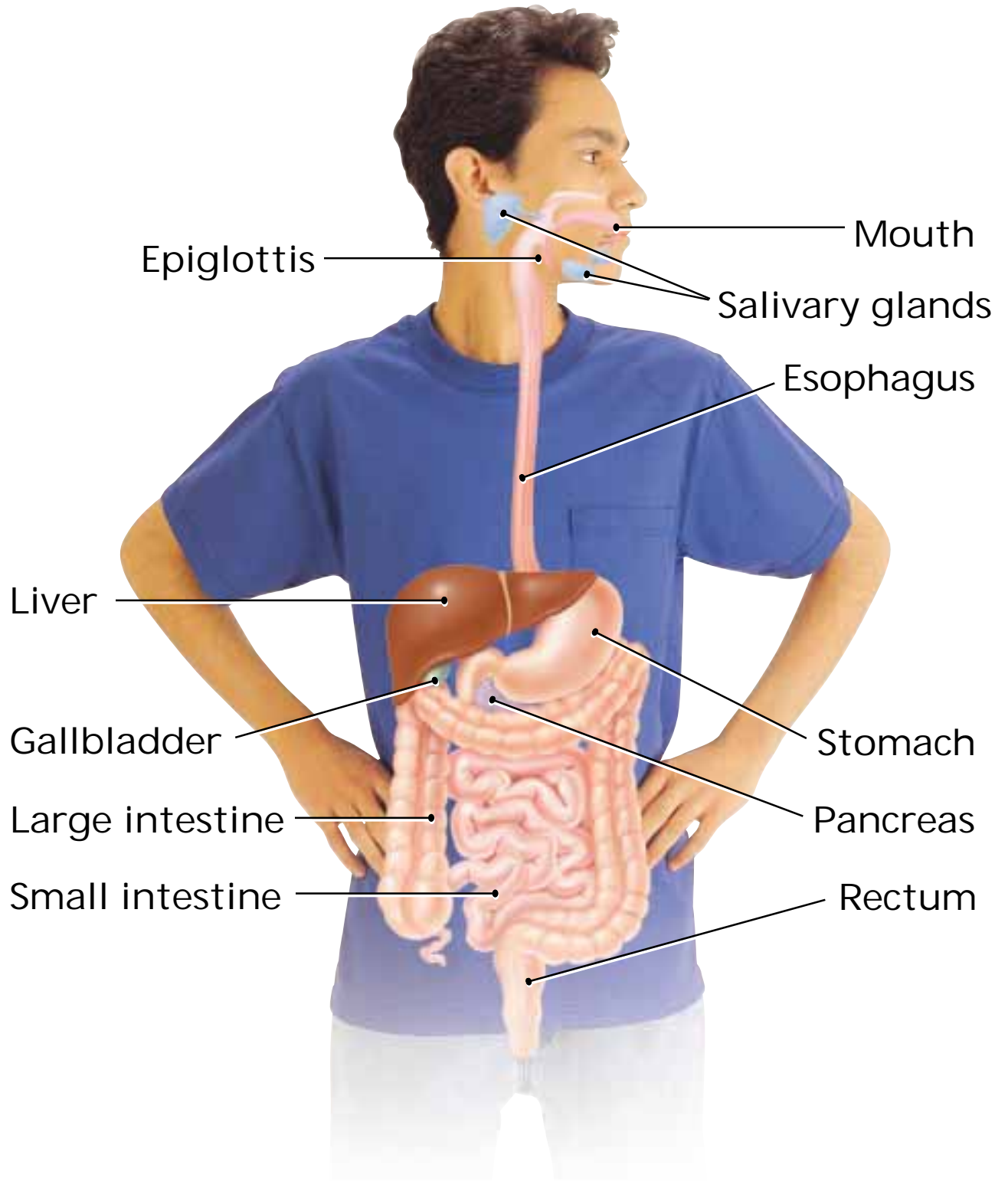
- Fat (naturally occurring and added)
- ▲ Sugars (naturally occurring and added)

# 74 The Digestive System



© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science

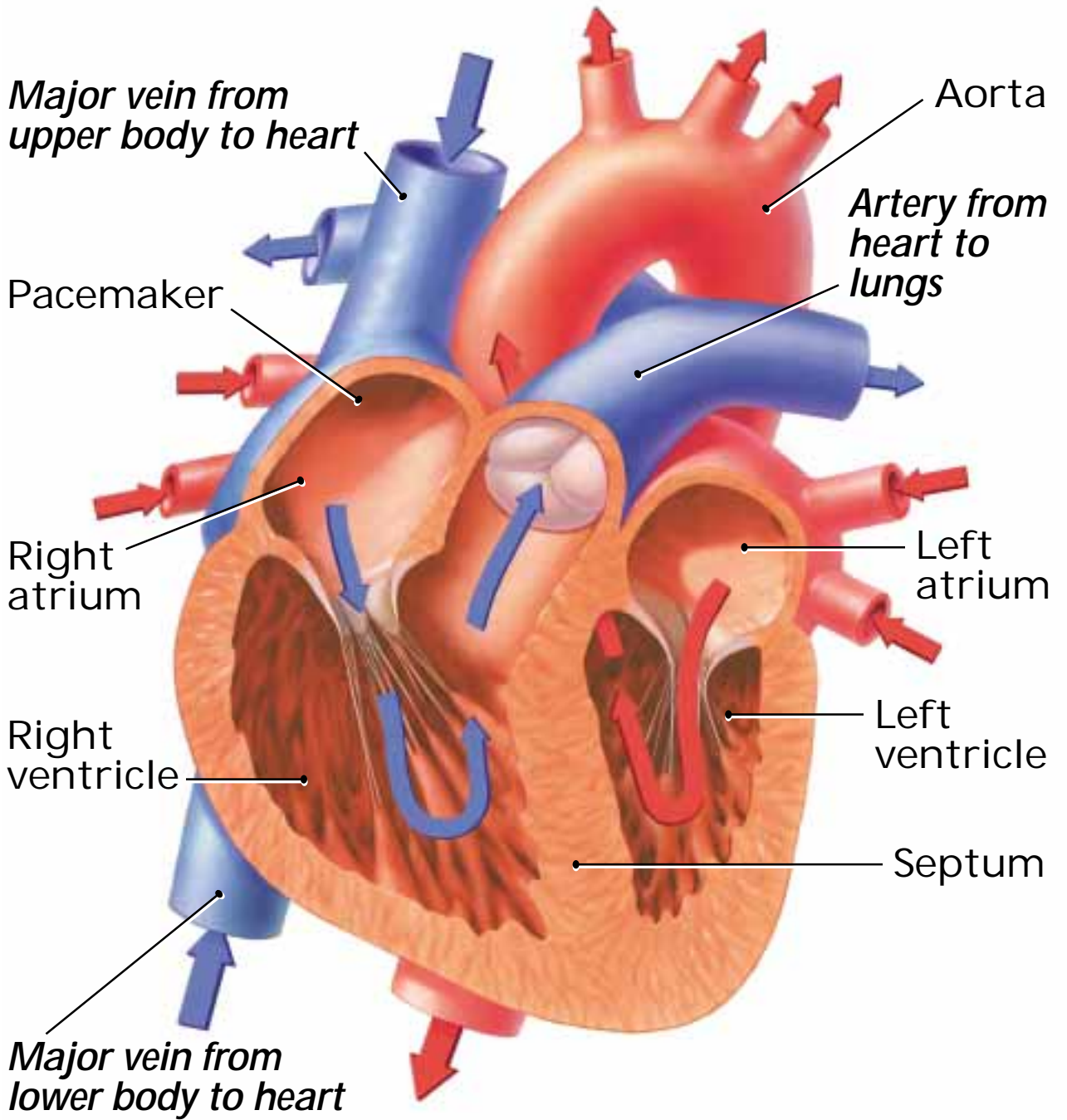


# 75 Exploring the Heart



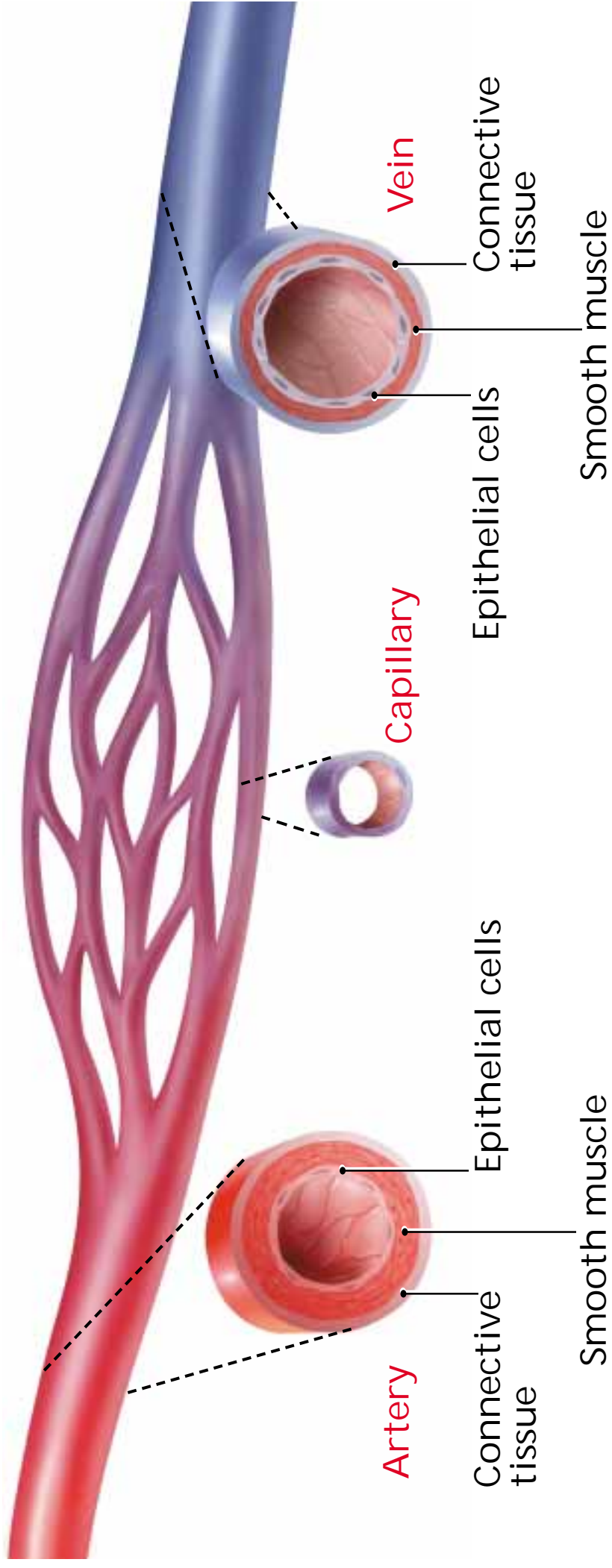
© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science





# 76 Artery, Capillary, and Vein

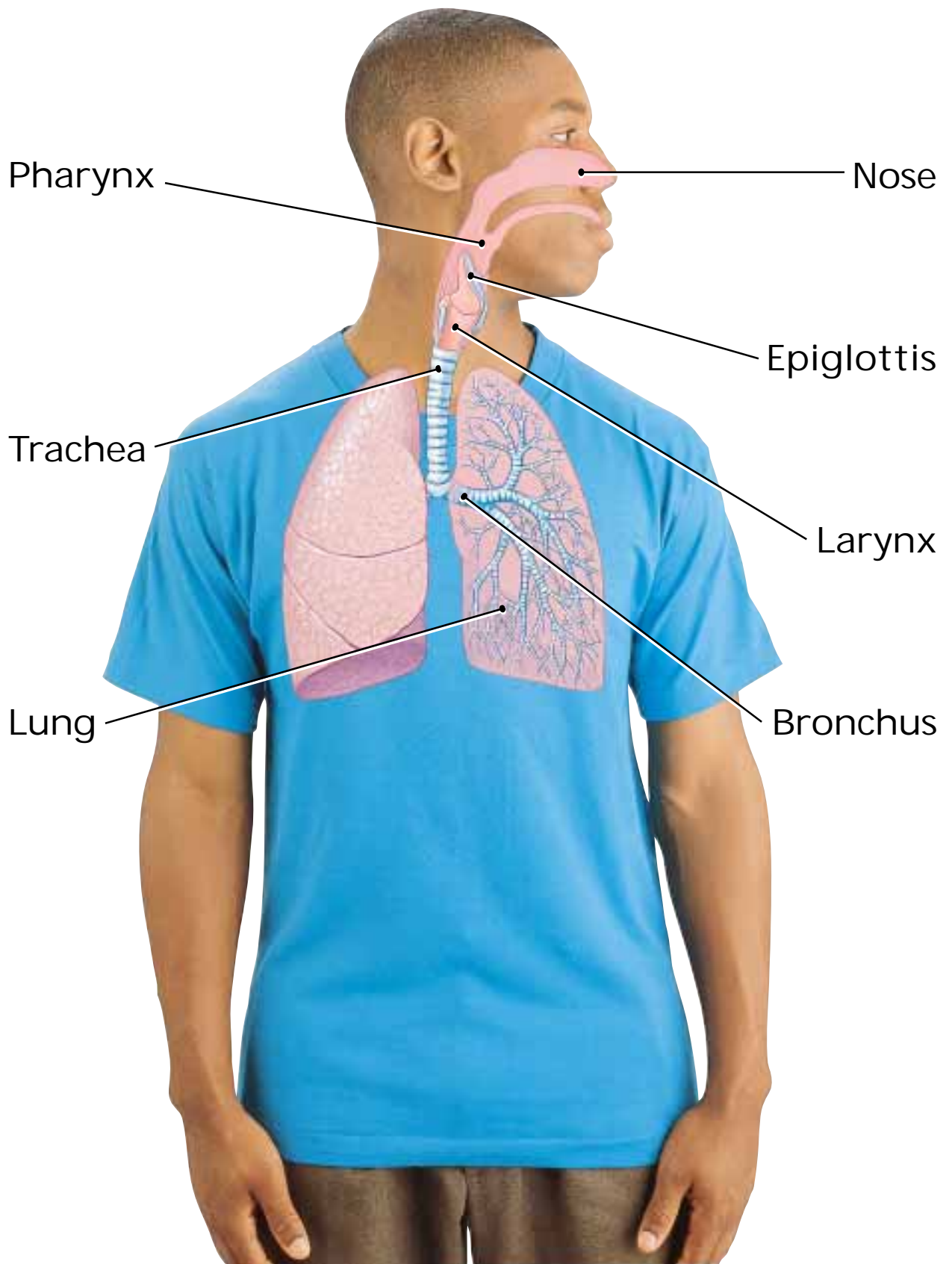


# 77 Exploring the Respiratory System



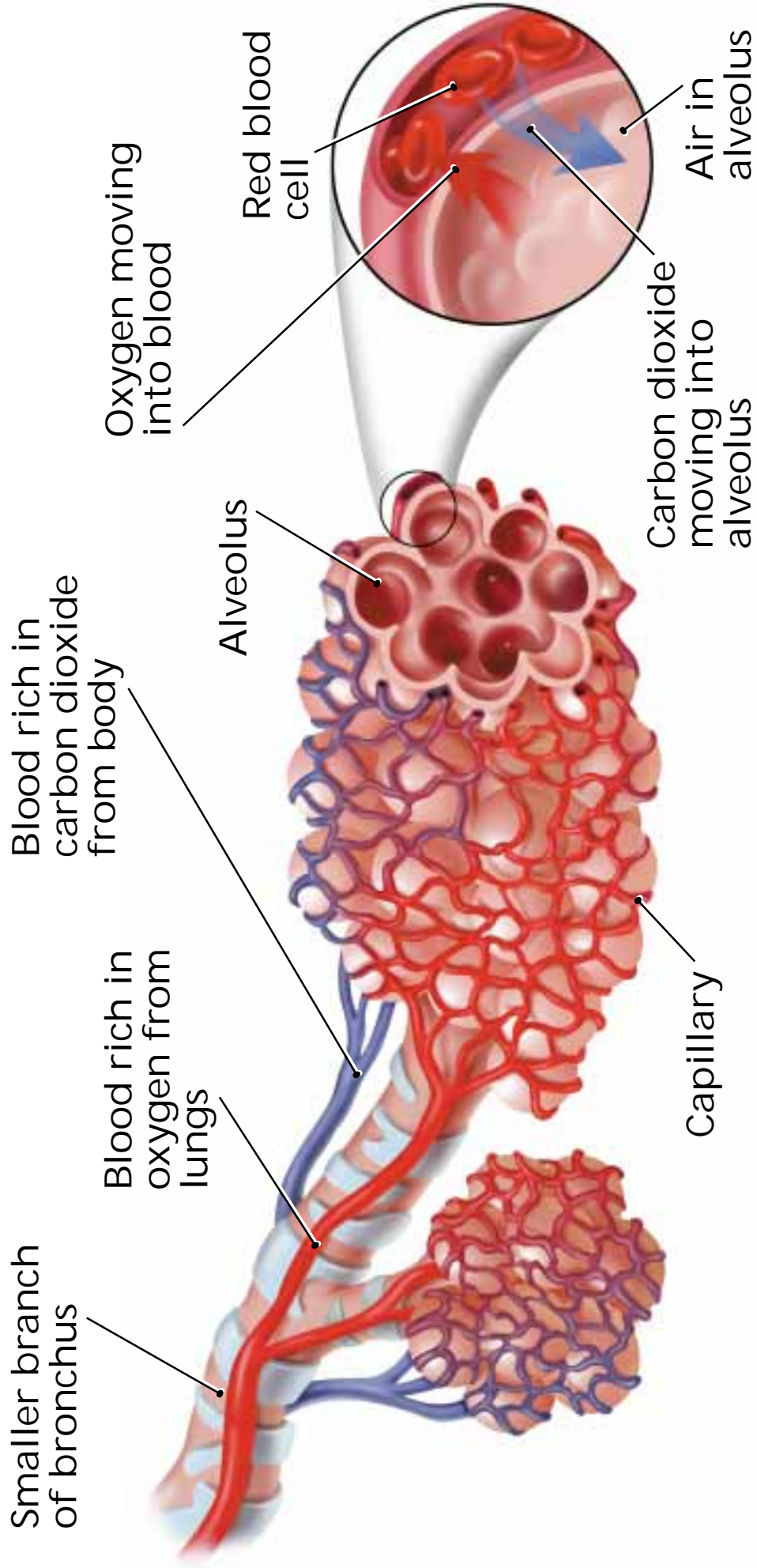
© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science





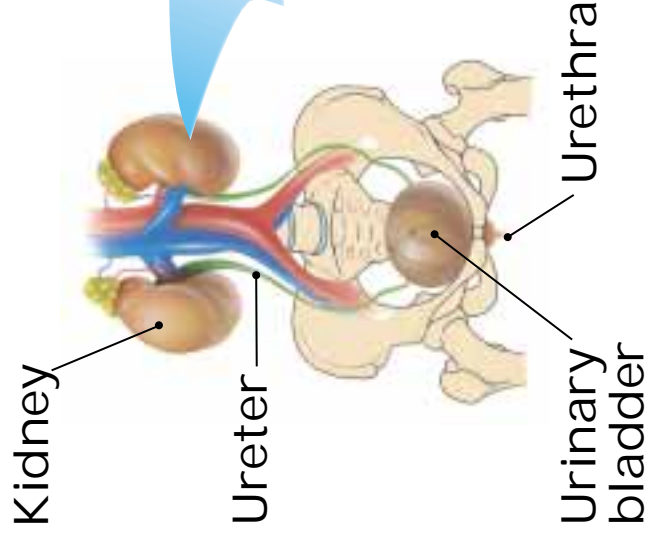
# 78 Gas Exchange in the Alveoli



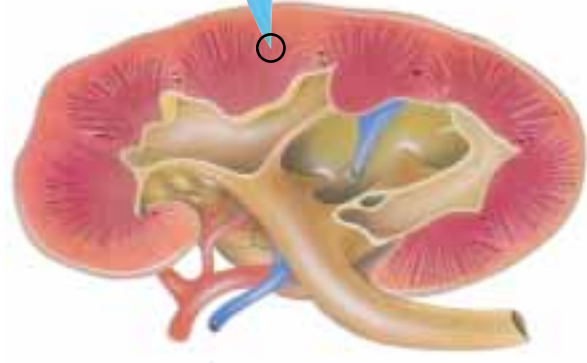


# 79 Exploring a Kidney

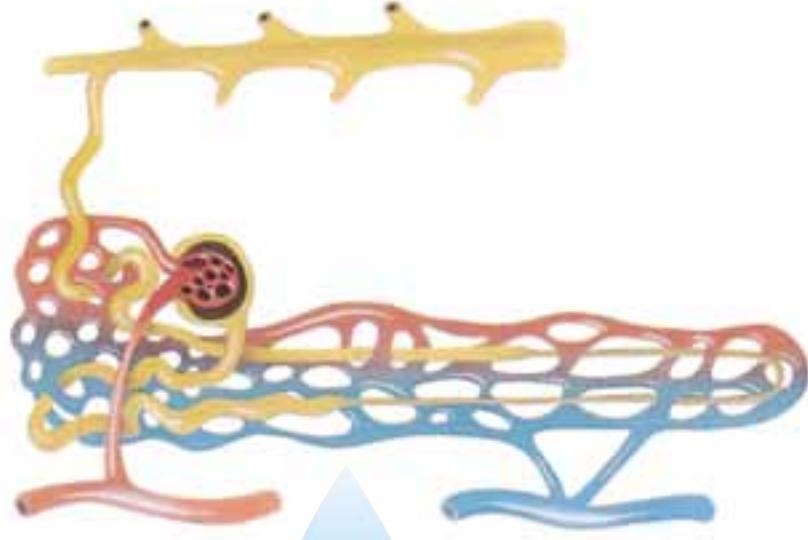
Excretory system



Kidney

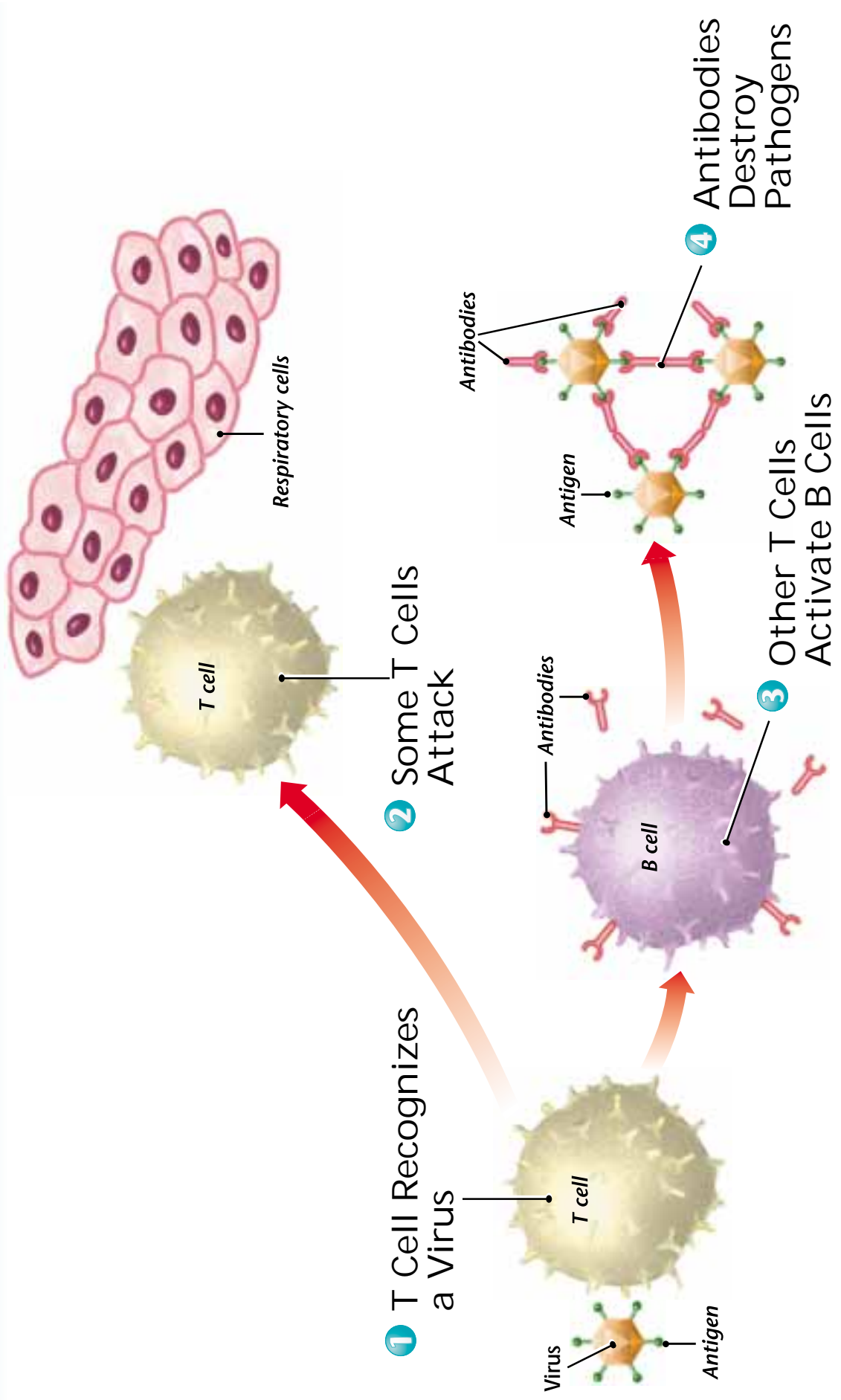


Nephron





# 80 Exploring the Immune Response

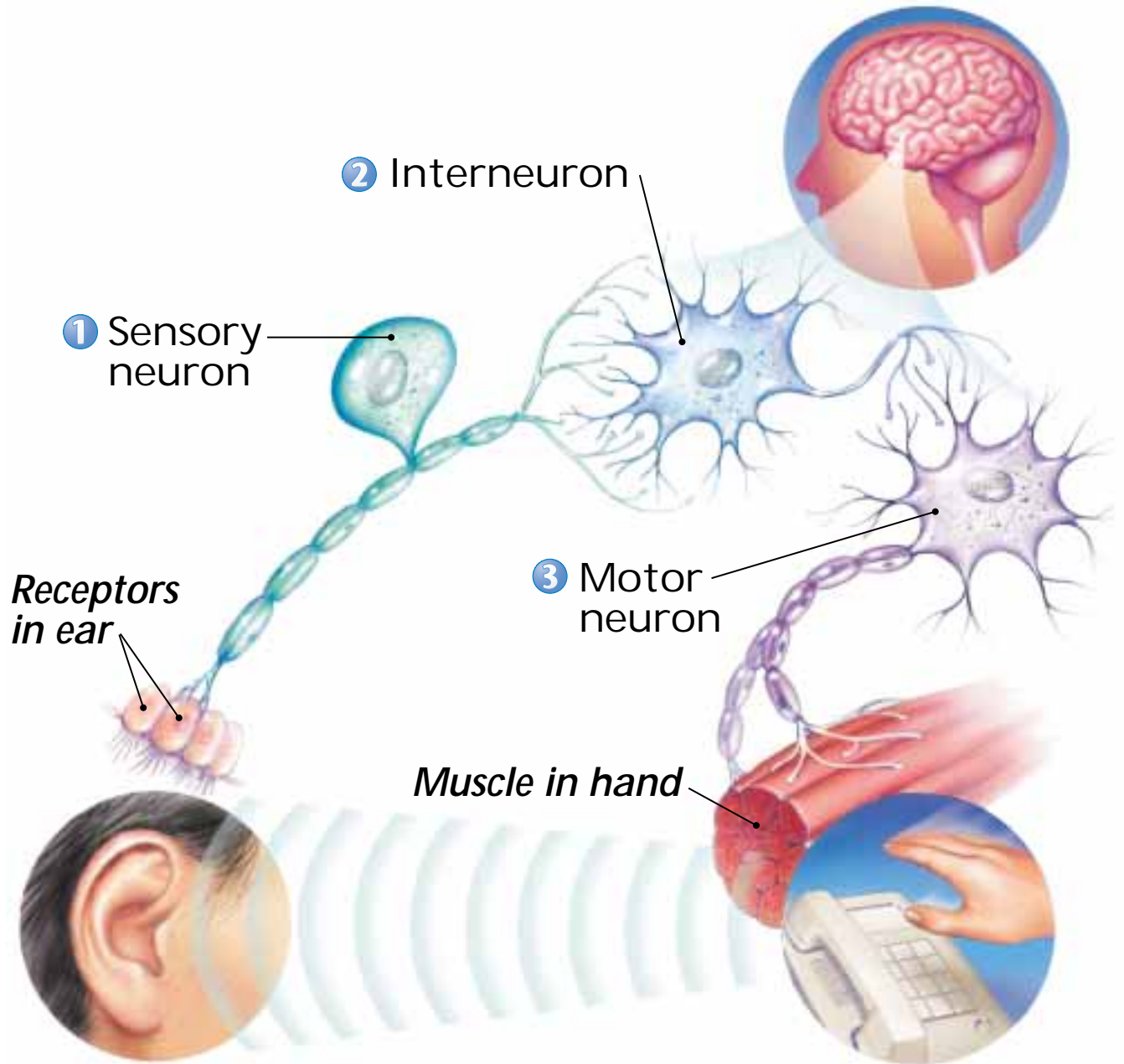


# 81 Exploring the Path of a Nerve Impulse



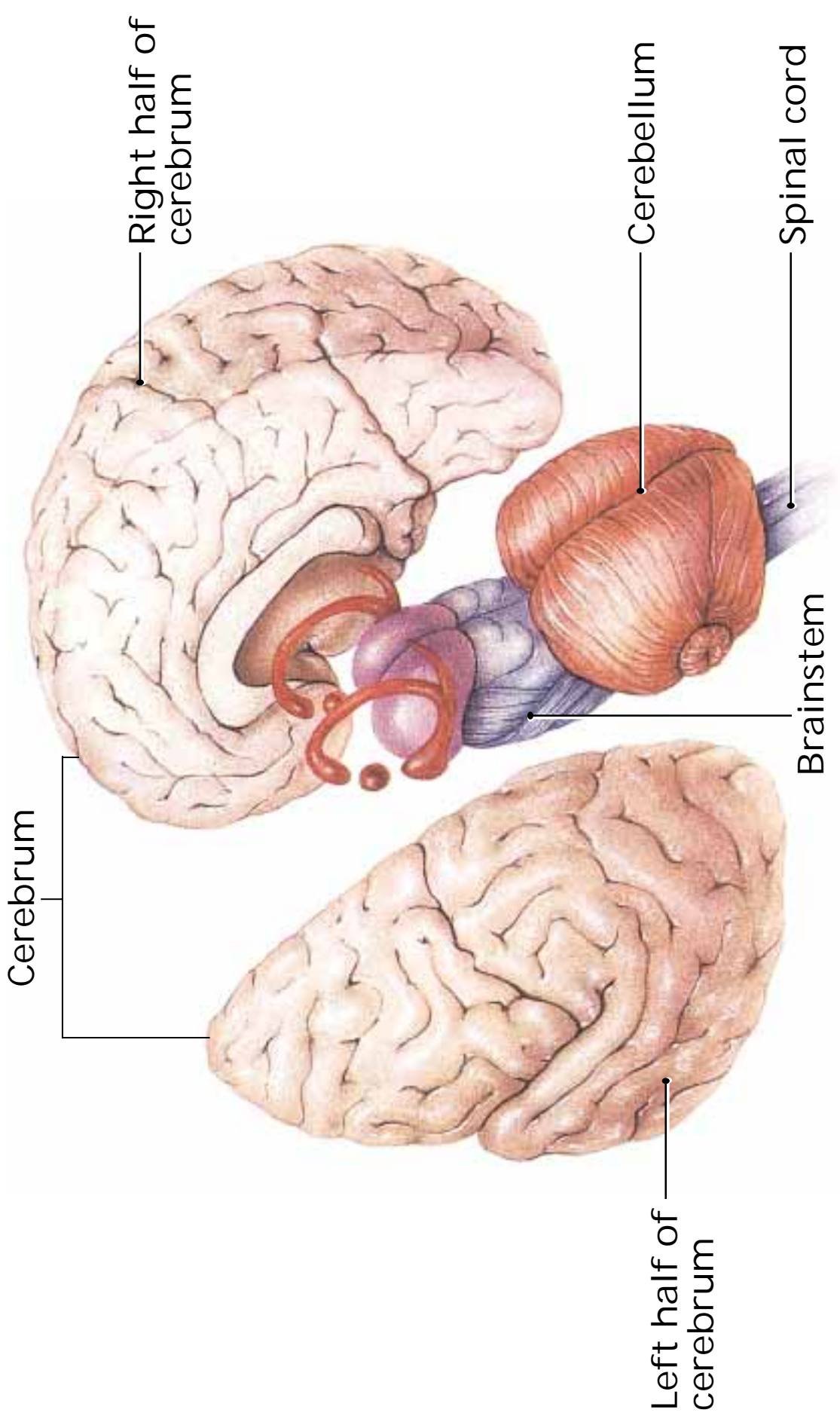
© Prentice-Hall, Inc.

SCIENCE EXPLORER Focus on Life Science



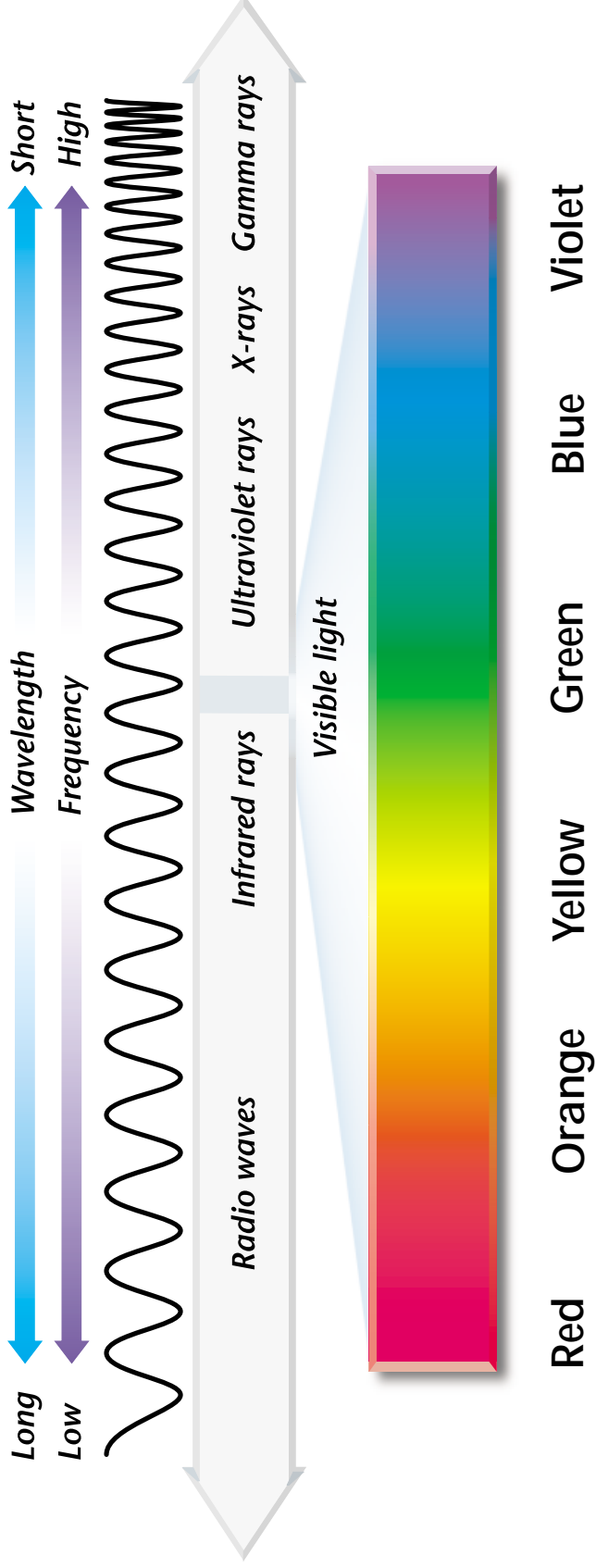


# 82 The Brain



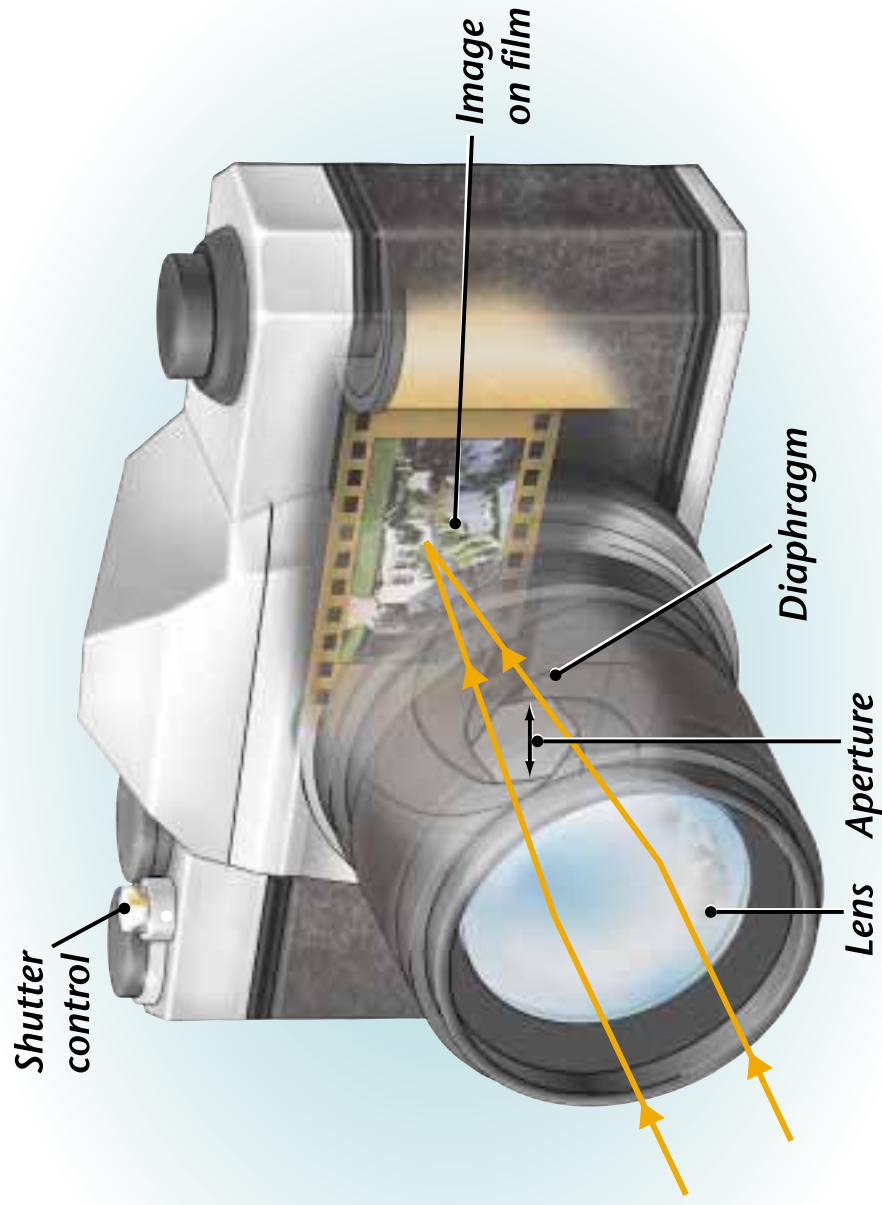


# 83 The Electromagnetic Spectrum



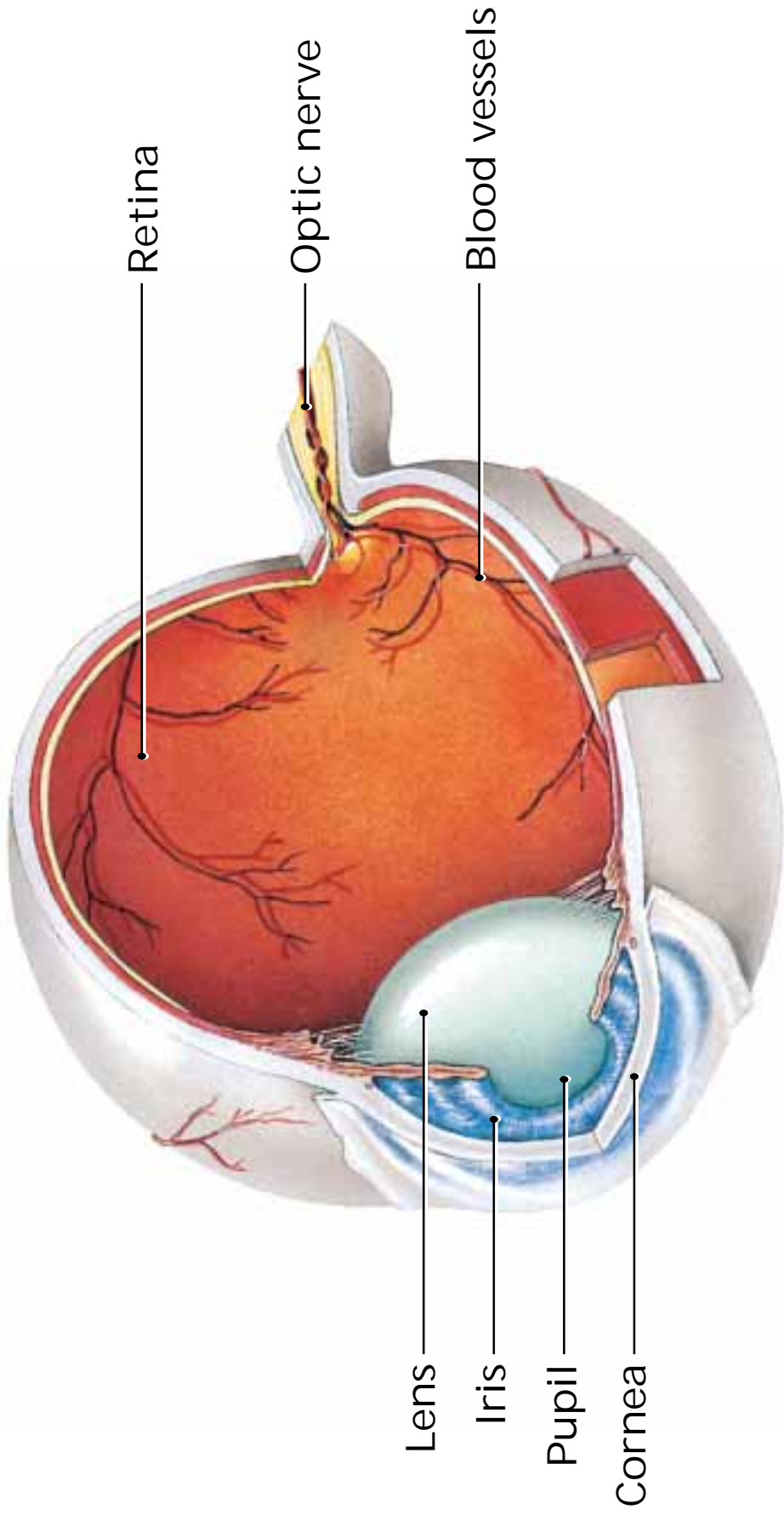


# 84 Camera



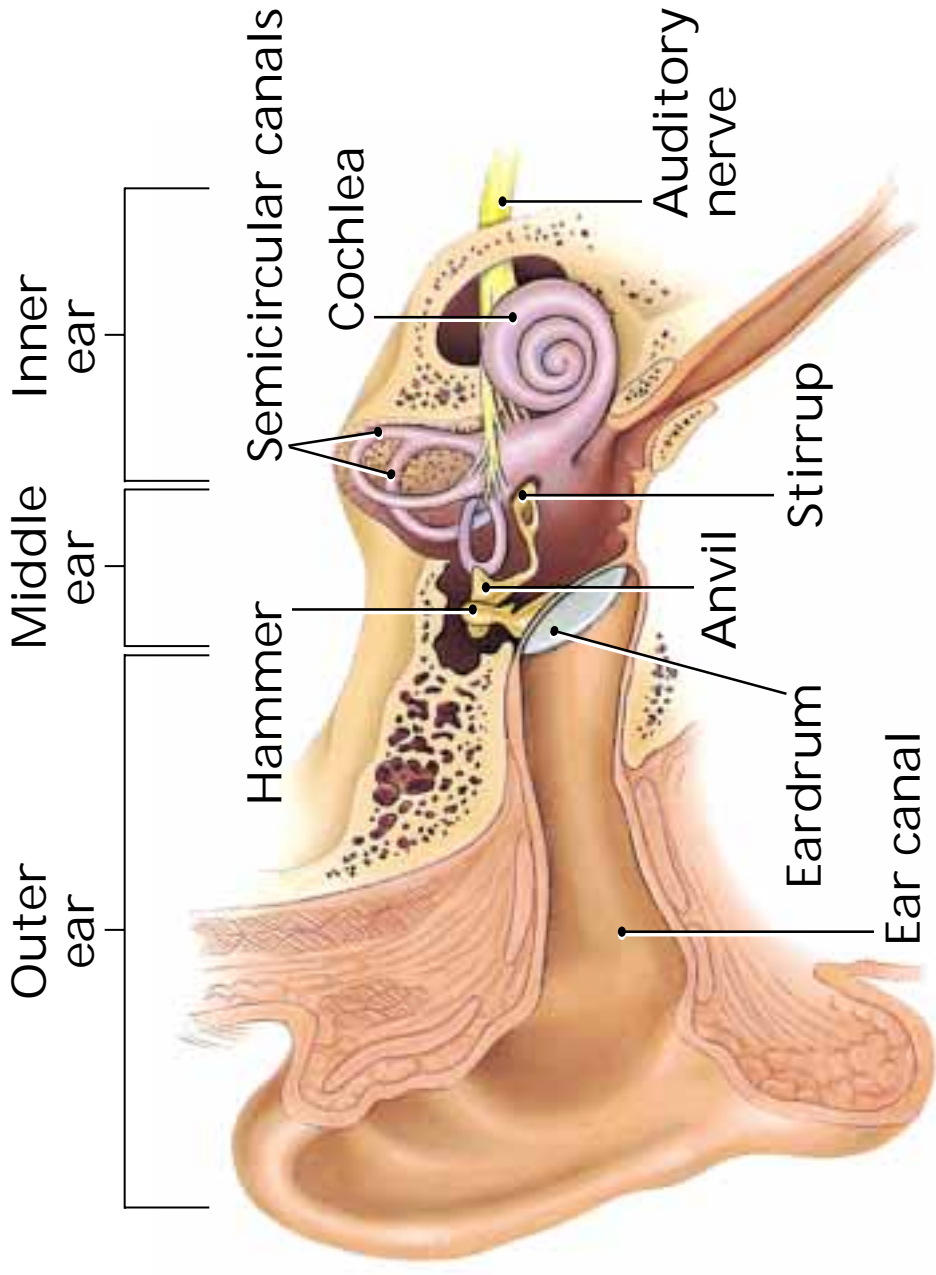


# 85 The Eye



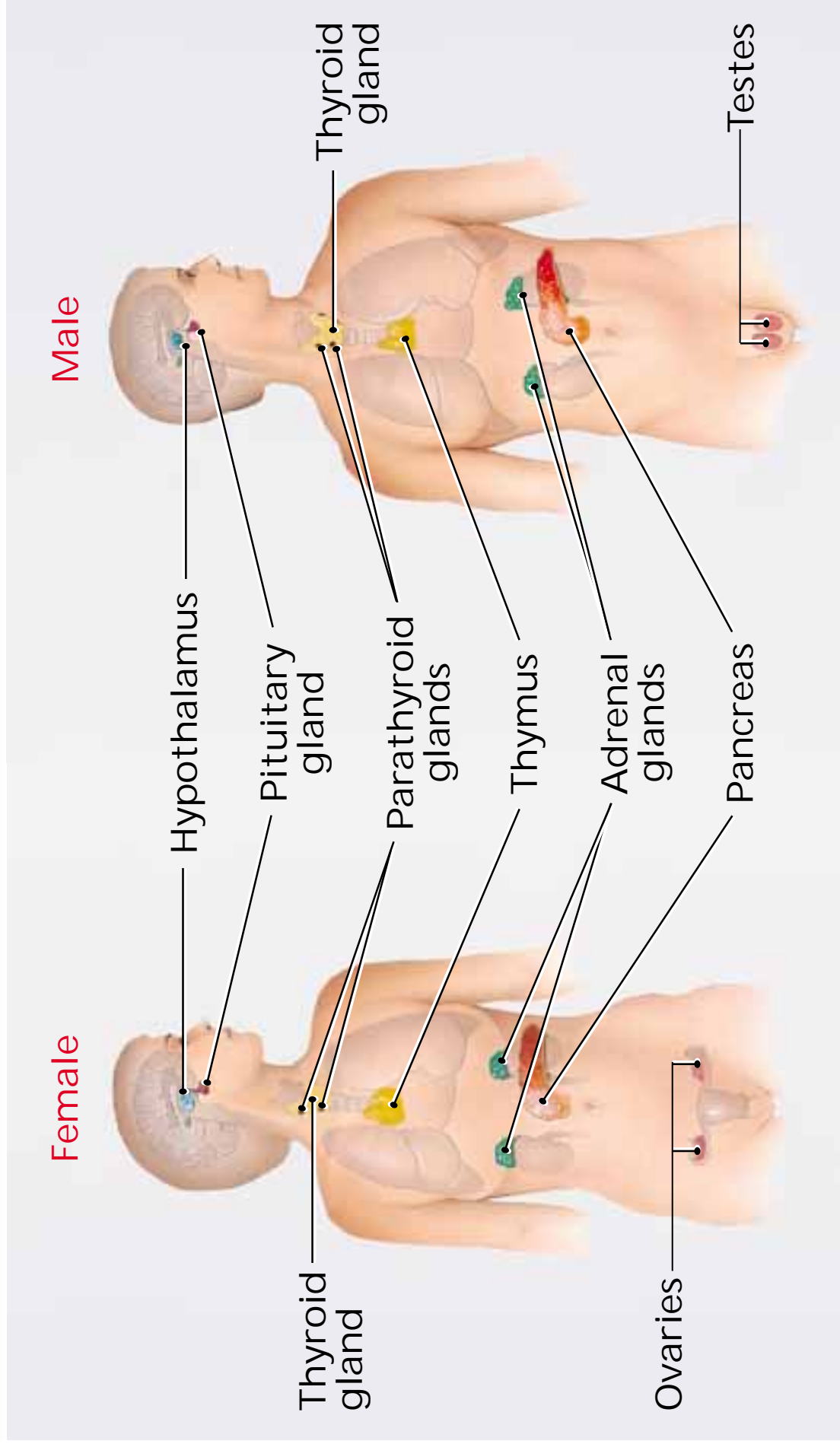


# 86 The Ear



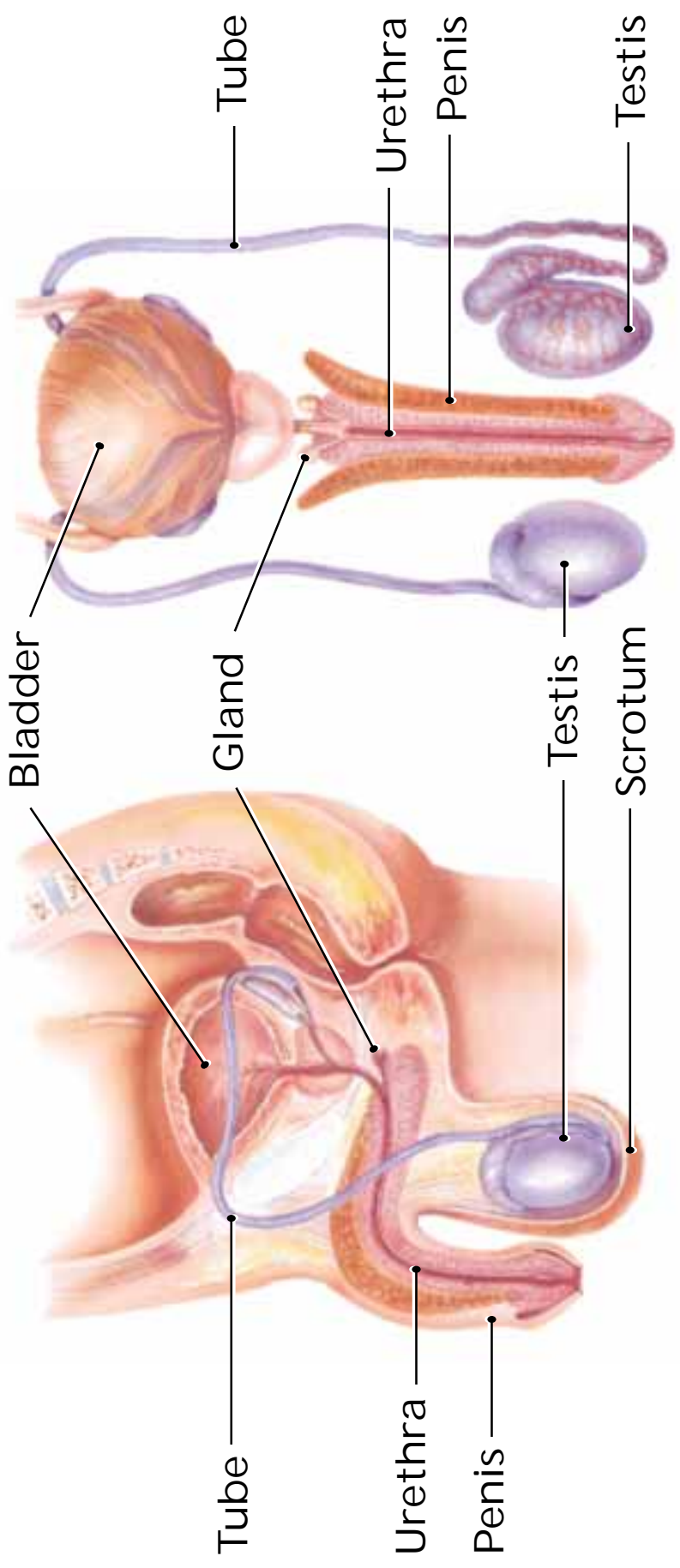


# 87 Exploring the Endocrine System





# 88 The Male Reproductive System





# 89 The Female Reproductive System

