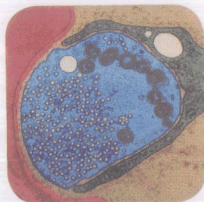


# Contents

Foreword 8



## Chapter 1

### BEGINNINGS 10

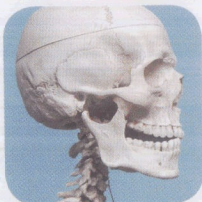
*The Cell 12 • Inheritance 22 • Development 32*



## Chapter 2

### BODY ARMOR 40

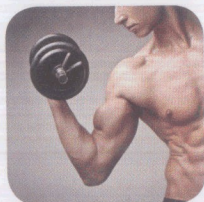
*The Skin 42 • Healing 50 • Changes 58 • The Hair 60 • The Nails 62*



## Chapter 3

### STRUCTURE 64

*The Skeleton 66 • The Bones 72 • Connections 78  
The Skull 86 • The Teeth 90 • The Spine 92 • Hands & Feet 98*



## Chapter 4

### BODY MOVERS 102

*The Muscles 104 • Skeletal Muscle 108 • Movement 114*



## Chapter 5

### CIRCULATION 122

*The System 124 • The Blood 130 • The Heart 138 • Blood Vessels 148*



## Chapter 6

### VITAL EXCHANGE 152

*Respiration 154 • The Lungs 160 • Breathing 166*

Call No. ....

วัน เดือน ปี .....

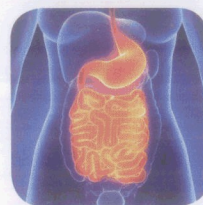
เลขทะเบียน **B5903516** .....



## Chapter 7

**BODY FUEL** 176

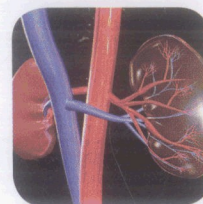
*Digestive System* 178 • *Ingestion* 184 • *The Stomach* 188  
*Absorption* 194 • *Elimination* 202



## Chapter 8

**BODY CLEANSING** 206

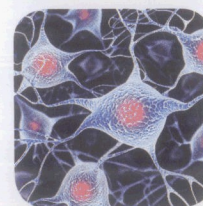
*Waste Disposal* 208 • *The Kidney* 212 • *Urinary Tract* 222



## Chapter 9

**CONTROL CENTER** 226

*Nervous System* 228 • *The Brain* 236  
*The Spinal Cord* 248 • *The Nerves* 252 • *The Senses* 258



## Chapter 10

**MESSENGERS** 264

*The System* 266 • *Hormones* 270 • *Producers* 276



## Chapter 11

**REPRODUCTION** 294

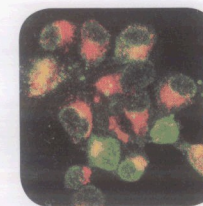
*Male System* 296 • *Female System* 302  
*Conception* 310 • *Pregnancy* 316



## Chapter 12

**PROTECTION** 320

*Immune System* 322 • *Innate Defenses* 326  
*Adaptation* 334 • *Body Attacks* 348



*Biographies* 354 • *Illustrations Credits* 356 • *Index* 358