



 Get Print Book

Principles of Anatomy and Physiology

By Gerard J. Tortora, Bryan H. Derrickson



Download



Read Online

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson

The thirteenth edition of the phenomenally successful Principles of Anatomy and Physiology continues to set the standard for the discipline. The authors maintained a superb balance between structure and function and continue to emphasize the correlations between normal physiology and pathophysiology, normal anatomy and pathology, and homeostasis and homeostatic imbalances. The acclaimed illustration program continues to be refined and is unsurpassed in the market. The thirteenth edition is fully integrated with a host of innovative electronic media, including WileyPlus 5.0 (access purchased separately.) No other text and package offers a teaching and learning environment as rich and complete.



[Download Principles of Anatomy and Physiology ...pdf](#)



[Read Online Principles of Anatomy and Physiology ...pdf](#)

Principles of Anatomy and Physiology

By Gerard J. Tortora, Bryan H. Derrickson

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson

The thirteenth edition of the phenomenally successful Principles of Anatomy and Physiology continues to set the standard for the discipline. The authors maintained a superb balance between structure and function and continue to emphasize the correlations between normal physiology and pathophysiology, normal anatomy and pathology, and homeostasis and homeostatic imbalances. The acclaimed illustration program continues to be refined and is unsurpassed in the market. The thirteenth edition is fully integrated with a host of innovative electronic media, including WileyPlus 5.0 (access purchased separately.) No other text and package offers a teaching and learning environment as rich and complete.

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson Bibliography

- Sales Rank: #35415 in Books
- Published on: 2011-01-04
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 11.10" h x 1.79" w x 9.45" l, 7.60 pounds
- Binding: Hardcover
- 1344 pages

 [Download Principles of Anatomy and Physiology ...pdf](#)

 [Read Online Principles of Anatomy and Physiology ...pdf](#)

Editorial Review

Amazon.com Review

Five Interesting Functions of the Human Body

- Most forms of **color blindness**, an inherited inability to distinguish between certain colors, result from the absence or deficiency of one of the types of cones. The most common type is red-green color blindness, in which red cones or green cones are missing. As a result, the person cannot distinguish between red and green. Prolonged vitamin A deficiency and the resulting below-normal amount of rhodopsin may cause night blindness or nyctalopia, an inability to see well at low light levels.
- Women often have a keener sense of smell than men do, especially at the time of ovulation. Smoking seriously impairs the sense of smell in the short term and may cause long-term damage to olfactory receptors. With aging the sense of smell deteriorates. **Hyposmia**, a reduced ability to smell, affects half of those over age 65 and 75% of those over age 80. Hyposmia also can be caused by neurological changes, such as a head injury, Alzheimer disease, or Parkinson disease; certain drugs, such as antihistamines, analgesics, or steroids; and the damaging effects of smoking.
- Damage to the cerebellum can result in a loss of ability to coordinate muscular movements, a condition called ataxia. Blindfolded people with ataxia cannot touch the tip of their nose with their finger because they cannot coordinate movement with their sense of where a body part is located. Another sign of **ataxia** is a changed speech pattern due to uncoordinated speech muscles. Cerebellar damage may also result in staggering or abnormal walking movements. People who consume too much alcohol show signs of ataxia because alcohol inhibits activity of the cerebellum. Such individuals have difficulty in passing sobriety tests. Ataxia can also occur as a result of degenerative diseases (multiple sclerosis and Parkinson disease), trauma, brain tumors, and genetic factors, and as a side effect of medication prescribed for bipolar disorder.
- After death, the cellular membranes become leaky. Calcium ions leak out of the sarcoplasmic reticulum into the sarcoplasm and allow myosin heads to bind to actin. ATP synthesis ceases shortly after breathing stops, however, so the cross-bridges cannot detach from actin. The resulting condition, in which muscles are in a state of rigidity (cannot contract or stretch), is called **rigor mortis** (rigidity of death). Rigor mortis begins 3-4 hours after death and lasts about 24 hours; then it disappears as proteolytic enzymes from lysosomes digest the cross-bridges.
- A **dislocated mandible** can occur in several ways. **Anterior displacements** are the most common and occur when the condylar processes of the mandible pass anterior to the articular tubercles. Common causes are extreme mouth opening, as in yawning or taking a large bite, dental procedures, or general anesthesia. Posterior displacement can be caused by a direct blow to the chin. **Superior displacements** can be caused by a direct blow to the chin. Superior displacements are typically caused by a direct blow to a partially opened mouth. **Lateral dislocations** are usually associated with mandibular fractures.

Users Review

From reader reviews:

Lucile Brown:

Now a day those who Living in the era everywhere everything reachable by talk with the internet and the resources within it can be true or not involve people to be aware of each data they get. How many people to be smart in obtaining any information nowadays? Of course the solution is reading a book. Looking at a book can help individuals out of this uncertainty Information specially this Principles of Anatomy and Physiology book because book offers you rich facts and knowledge. Of course the info in this book hundred per cent guarantees there is no doubt in it you probably know this.

Jeffrey Price:

This Principles of Anatomy and Physiology usually are reliable for you who want to certainly be a successful person, why. The reason of this Principles of Anatomy and Physiology can be one of several great books you must have is giving you more than just simple reading food but feed a person with information that probably will shock your preceding knowledge. This book is actually handy, you can bring it all over the place and whenever your conditions in the e-book and printed ones. Beside that this Principles of Anatomy and Physiology forcing you to have an enormous of experience for instance rich vocabulary, giving you trial of critical thinking that we all know it useful in your day pastime. So , let's have it and enjoy reading.

Jackie Lund:

Why? Because this Principles of Anatomy and Physiology is an unordinary book that the inside of the publication waiting for you to snap this but latter it will surprise you with the secret the idea inside. Reading this book next to it was fantastic author who else write the book in such incredible way makes the content inside of easier to understand, entertaining method but still convey the meaning entirely. So , it is good for you because of not hesitating having this ever again or you going to regret it. This unique book will give you a lot of rewards than the other book possess such as help improving your skill and your critical thinking technique. So , still want to delay having that book? If I have been you I will go to the reserve store hurriedly.

Patty Scheuerman:

A lot of reserve has printed but it takes a different approach. You can get it by web on social media. You can choose the most beneficial book for you, science, comedy, novel, or whatever simply by searching from it. It is identified as of book Principles of Anatomy and Physiology. Contain your knowledge by it. Without making the printed book, it could possibly add your knowledge and make you actually happier to read. It is most essential that, you must aware about guide. It can bring you from one spot to other place.

**Download and Read Online Principles of Anatomy and Physiology
By Gerard J. Tortora, Bryan H. Derrickson #F6VKEIHDNQA**

Read Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson for online ebook

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson books to read online.

Online Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson ebook PDF download

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson Doc

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson Mobipocket

Principles of Anatomy and Physiology By Gerard J. Tortora, Bryan H. Derrickson EPub