ANATOMY AND PHYSIOLOGY

THE HUMAN BODY - AN ORIENTATION

Anatomy

 Studies the structure of body parts and their relationships.

Physiology

Study of how the body and its parts work or function.

Pathophysiology

Extract invertase from Bayer's yeast

ANATOMY - LEVELS OF STUDY

Gross or Macroscopic Anatomy

- ⇒ Larger structures
- ⇒ Can be seen with the naked eye
- Approached of study: Regional and Systemic Anatomy

Surface Anatomy

 Study of internal structures as they relate to the overlying skin surface.

Microscopic Anatomy

- Structures cannot be seen with the naked eye
- Structures can only be viewed with a microscope
- Subdivisions include cytology and histology

Developmental Anatomy

- Traces structural changes that occur in the body throughout the life span.
- Embryology concerns developmental changes that occur before birth.

LANGUAGE OF ANATOMY

- Special terminology is used to prevent misunderstanding
- Exact terms are used for
 - 1. Position
 - 2. Direction
 - 3. Regions
 - 4. Structures

Anatomical Position

- Person stands erect with feet together and eyes forward
- Palms face anteriorly with thumbs pointed away from the body
- Right and left always refers to the sides belonging to the person of specimen being viewed – never to the viewer.
- Note: Four legged animals have different anatomical position than humans
 - Their ventral is on the inferior side and dorsal in the superior side.
 - In humans, ventral and anterior is the same and so is dorsal and posterior.



Human Anatomy And Physiology 1 Study Guide

Kevin T. Patton, Frank B. Bell, Terry Thompson, Peggie L. Williamson, Eric L Sun **Human Anatomy And Physiology 1 Study Guide:**

Decoding Human Anatomy And Physiology 1 Study Guide: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "Human Anatomy And Physiology 1 Study Guide," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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