

# Anatomy and Physiology II

## Chapter 19- Blood

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### The cardiovascular system

- Provides a mechanism for rapid transport of nutrients, waste products, respiratory gasses, and cells
- Heart, blood vessels, blood
- About 5L of blood (7% x weight in Kg (estimate))
- Closed system

### Blood

- Fluid connective tissue (from the mesoderm)
- Blood cells=formed elements
  - Formed elements are cells (white blood cells and red blood cells)
- Blood+formed elements + plasma (noncellular)
  - Serum- plasma without clotting factors
- **5 functions of blood**
  - Regulate body temperature (blood is warmer than body temperature)
  - Maintain pH
  - Maintain ionic composition of the body
  - Necessary for clotting
  - Defends body from pathogens and toxins (antibodies; white blood cells)
  - Transport of nutrients, metabolic waste, and gasses

# Chapter 19 Anatomy And Physiology

**Siddappa N.Byrareddy**



## **Chapter 19 Anatomy And Physiology:**

## Whispering the Strategies of Language: An Mental Quest through **Chapter 19 Anatomy And Physiology**

In a digitally-driven earth where monitors reign great and immediate communication drowns out the subtleties of language, the profound secrets and mental subtleties hidden within phrases usually get unheard. Yet, set within the pages of **Chapter 19 Anatomy And Physiology** a captivating fictional value pulsing with raw feelings, lies a fantastic quest waiting to be undertaken. Composed by a talented wordsmith, that charming opus invites visitors on an introspective journey, gently unraveling the veiled truths and profound influence resonating within the very material of each and every word. Within the emotional depths of this touching evaluation, we shall embark upon a heartfelt exploration of the book is core themes, dissect its charming writing style, and fail to the strong resonance it evokes heavy within the recesses of readers hearts.

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