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## **Chapter 8**

### **Fundamentals of Anatomy and Physiology**

**Introduction Anatomy:** Anatomy is the study of the structure of human body.

**Physiology:** Physiology is the study of functions of human body.

#### **Main Systems of Human Body**

- i. Skeletal System
- ii. Muscular System
- iii. Digestive System
- iv. Respiratory System
- v. Nervous System
- vi. Glandular System
- vii. Excretory system
- viii. Reproductive System

#### **Importance of Anatomy and Physiology**

1. Helps in physical fitness.
2. Provides knowledge about body structure.
3. Helps in selection of games.
4. Protects from sports injuries.
5. Helps in the process of rehabilitation.
6. Helps in maintaining healthy body.
7. Helps to know about individual differences.

#### **Skeletal System and its functions**

##### **Skeletal System**

The skeletal system is the bony framework of our body.

##### **Functions of Skeletal System**

1. It provides support to the body.
2. It gives shape and structure to the body.
3. It provides protection to the vital organs of the body.
4. It acts as lever.
5. It acts as storehouse of minerals.
6. It acts as production house of RBCs.
7. It acts as junction or attachment to skeletal muscle.
8. It works as self repair system.

##### **Classification of Bones**

1. Long bones
2. Short bones
3. Flat bones
4. Sesamoid bones
5. Irregular bones
6. Sutural bones

# Principles Human Phy W Int Phy 8 S

**Clifford Lane**



**Principles Human Phy W Int Phy 8 S:**

## **Principles Human Phy W Int Phy 8 S** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has become more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such could be the essence of the book **Principles Human Phy W Int Phy 8 S**, a literary masterpiece that delves deep into the significance of words and their affect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall effect on readers.

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