

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



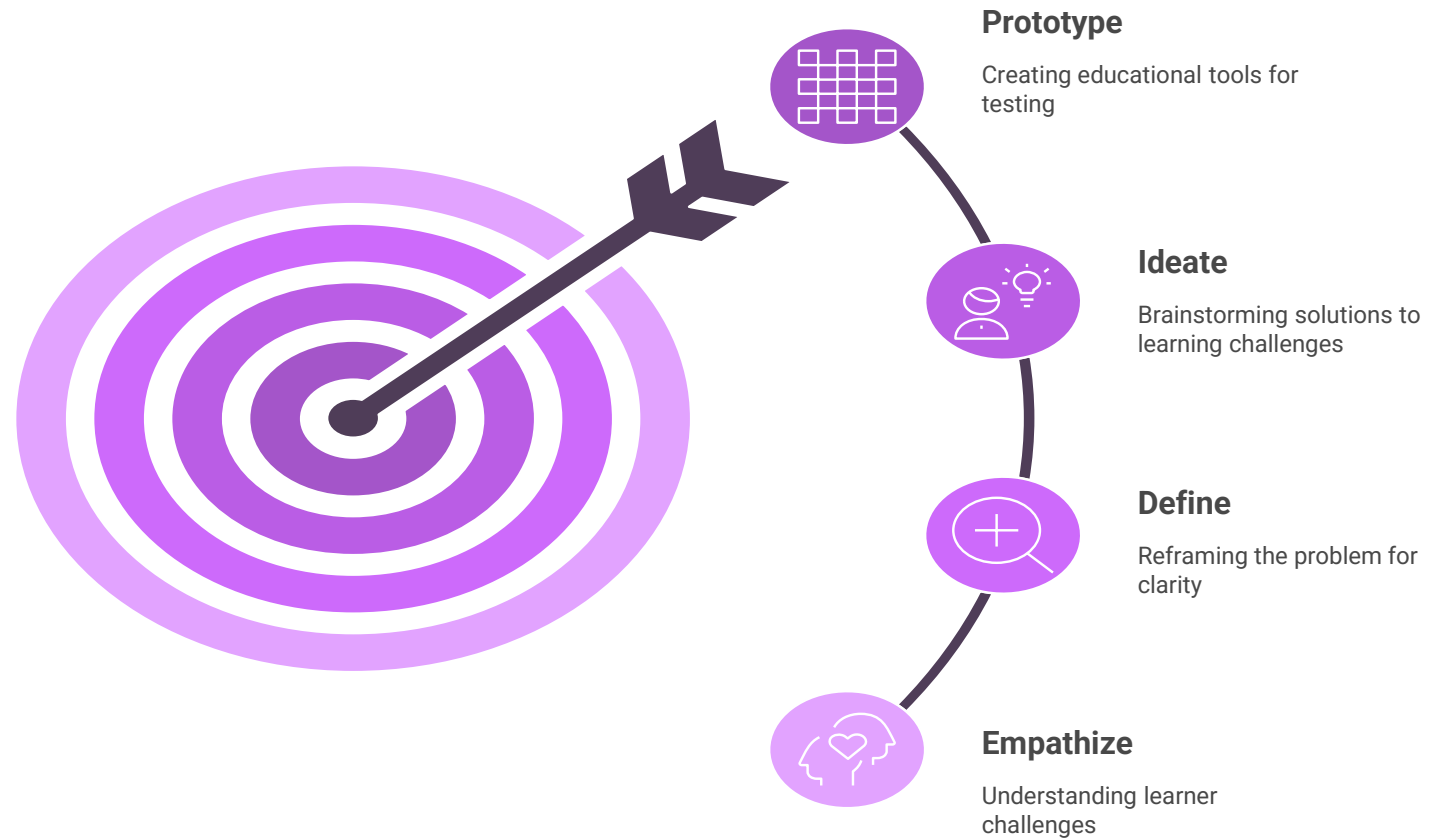
Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai
Approved by Pharmacy Council of India, New Delhi.
Coimbatore -641035

COURSE NAME : HUMAN ANATOMY & PHYSIOLOGY

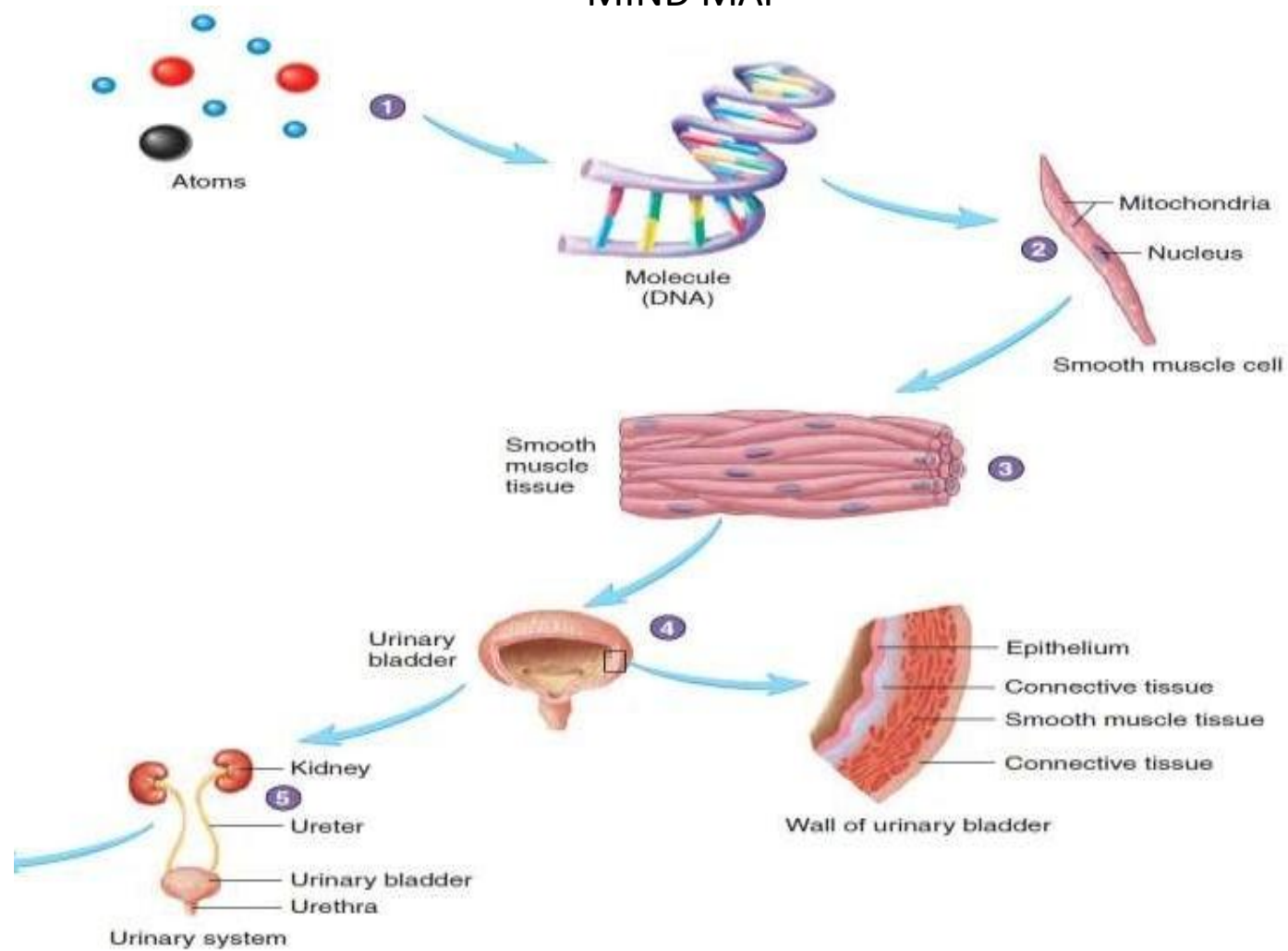
YEAR: 1 YEAR PHARM D

TOPIC 1 : DEFINITION & SCOPE OF ANATOMY AND PHYSIOLOGY

Design Thinking Process in Medical Education

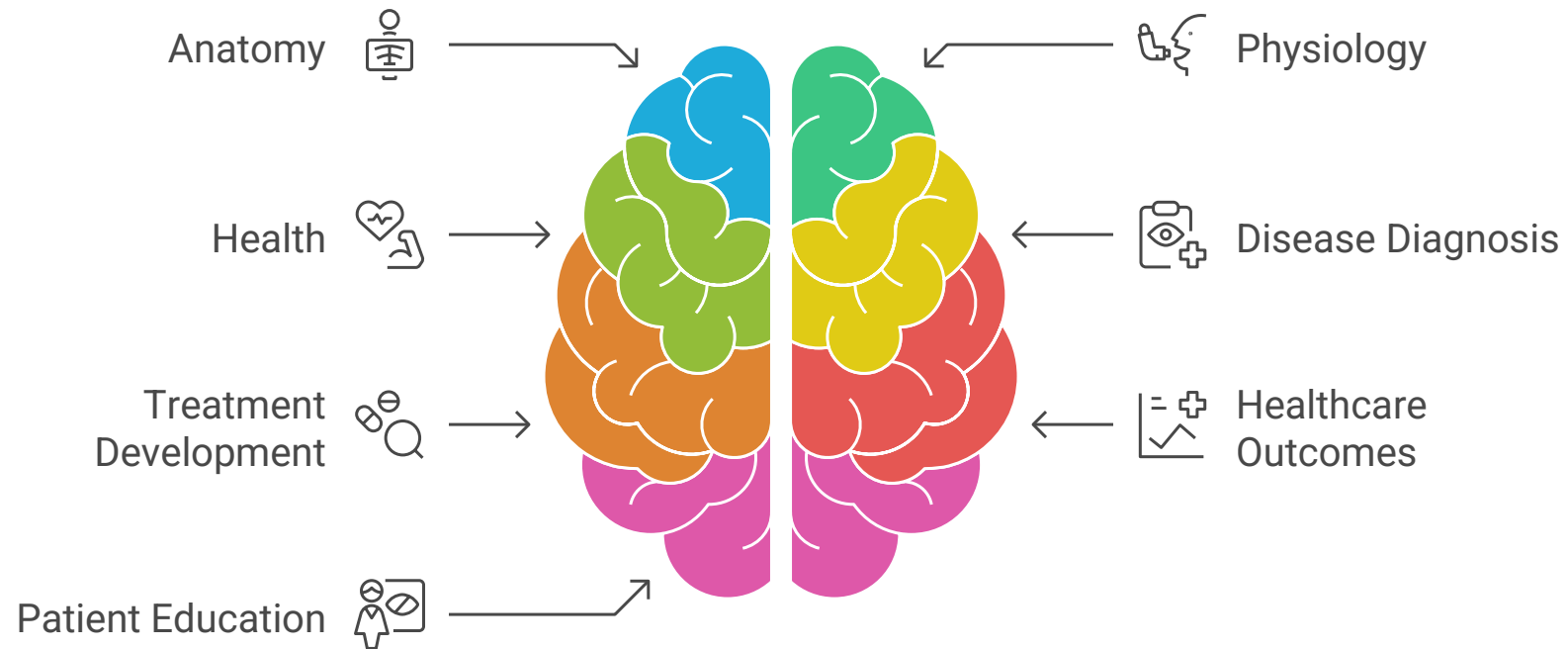


MIND MAP



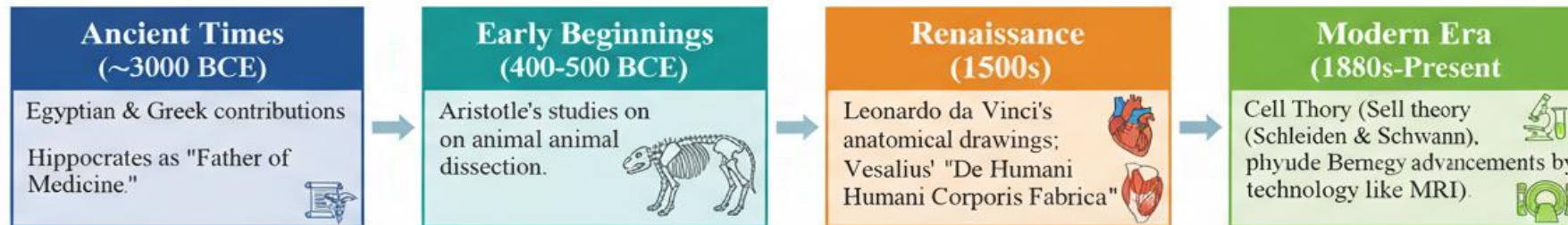
PROCESS Figure 1.1 Levels of Organization for the Human Body

Understanding the Human Body

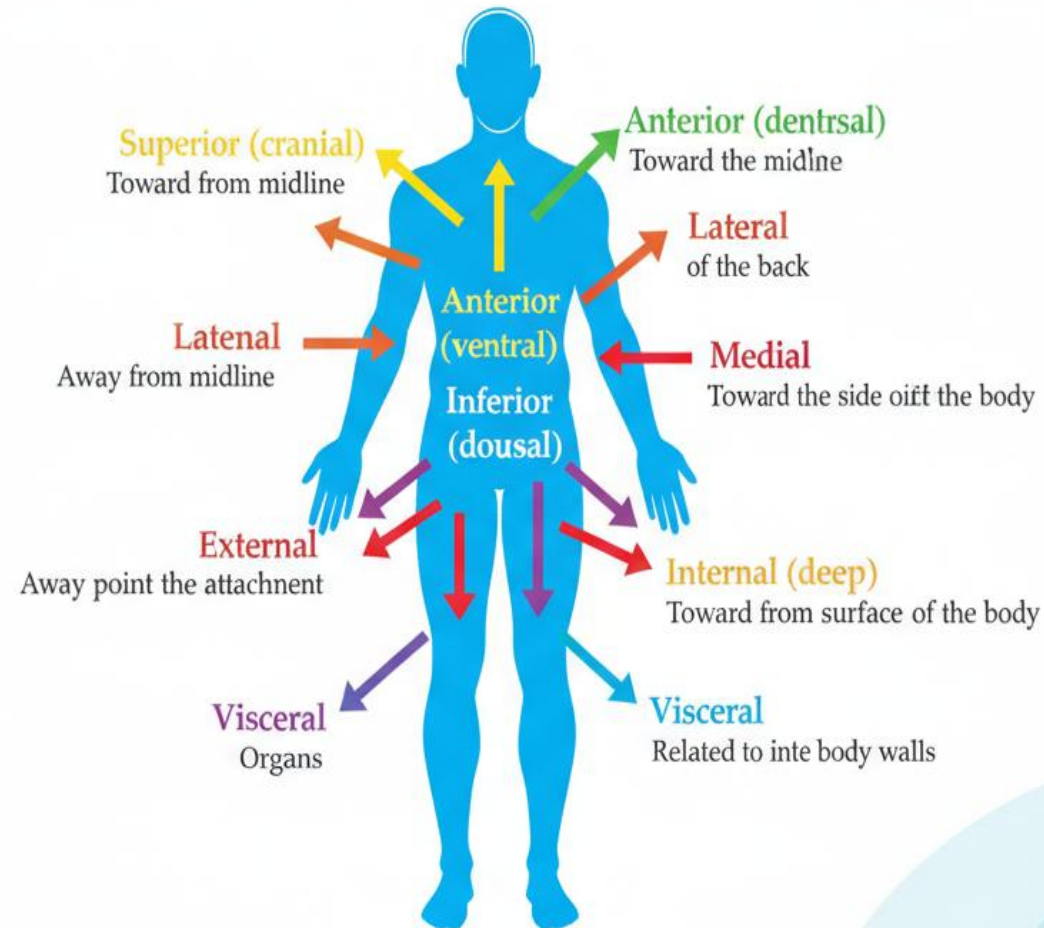


DEFINE

PHYSIOLOGY

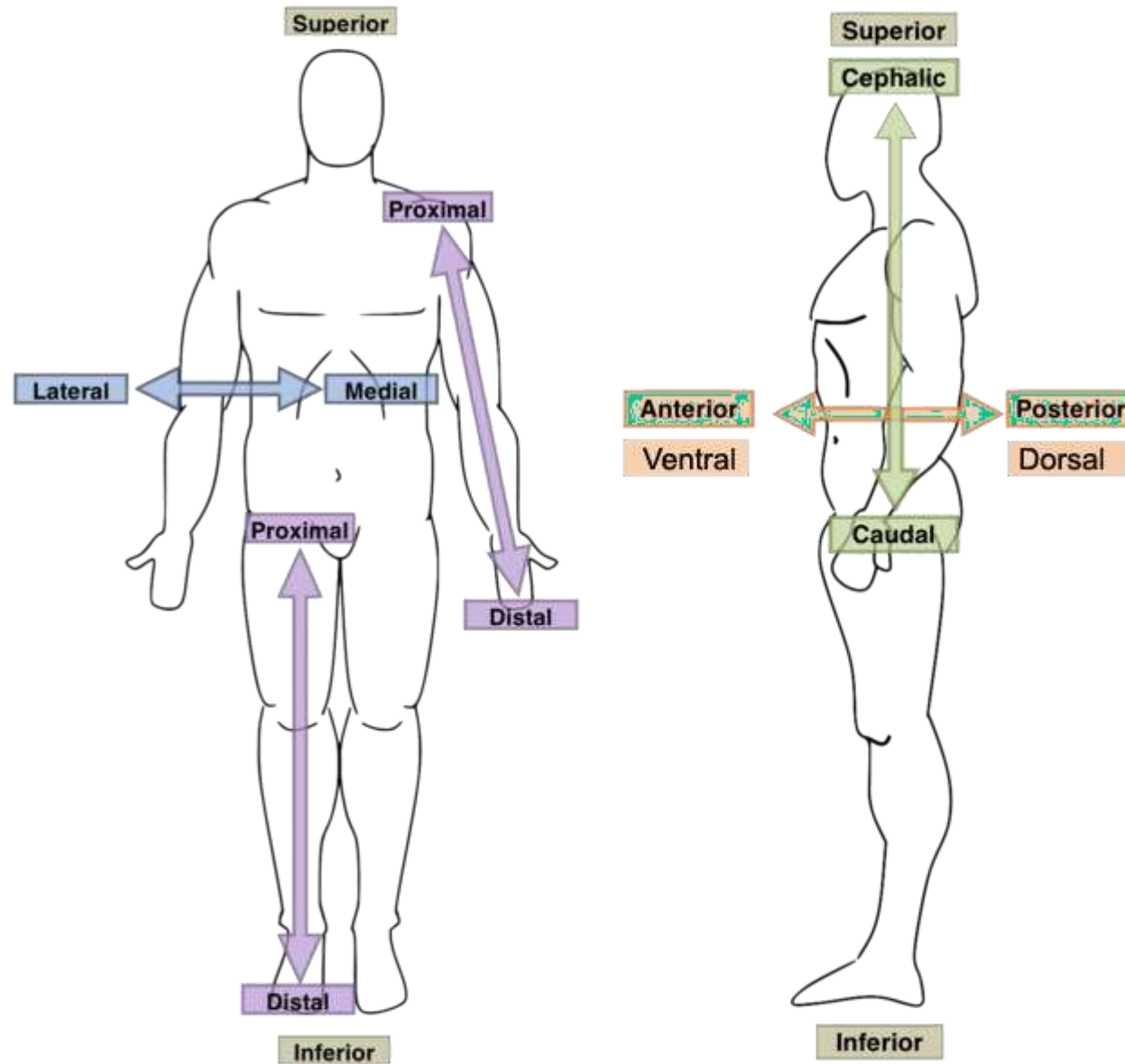


Descriptive & Directional Anatomy Terms

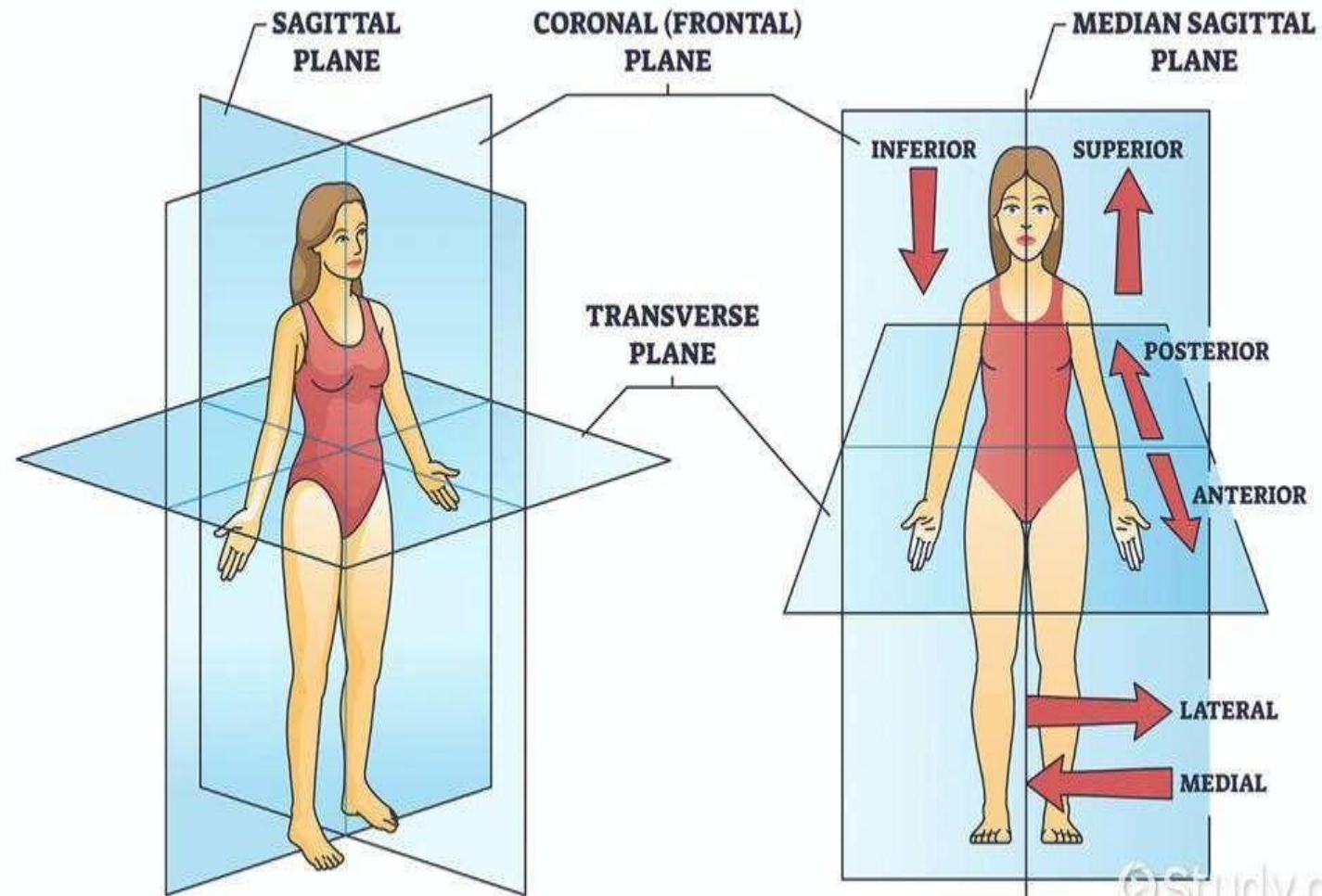


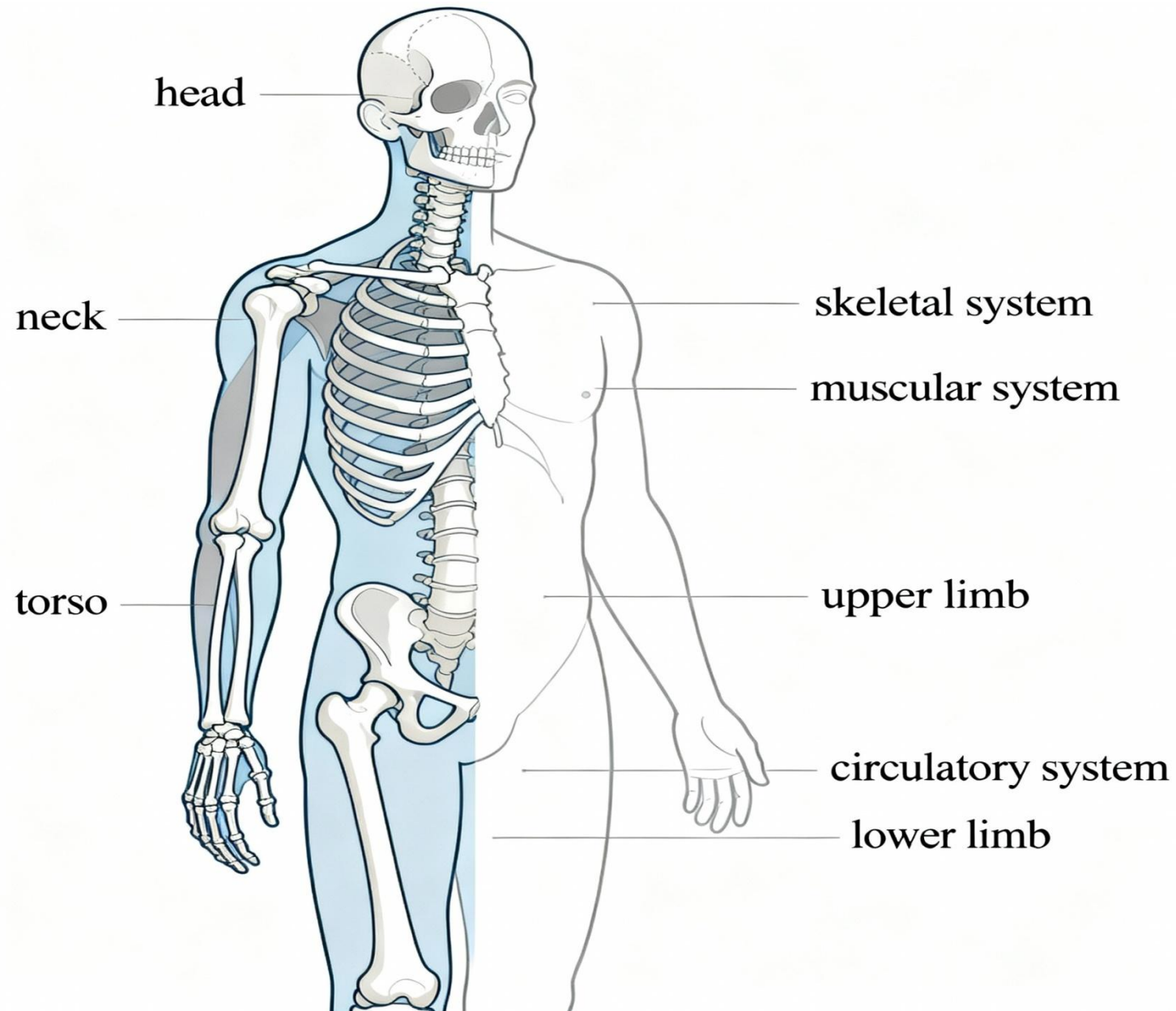
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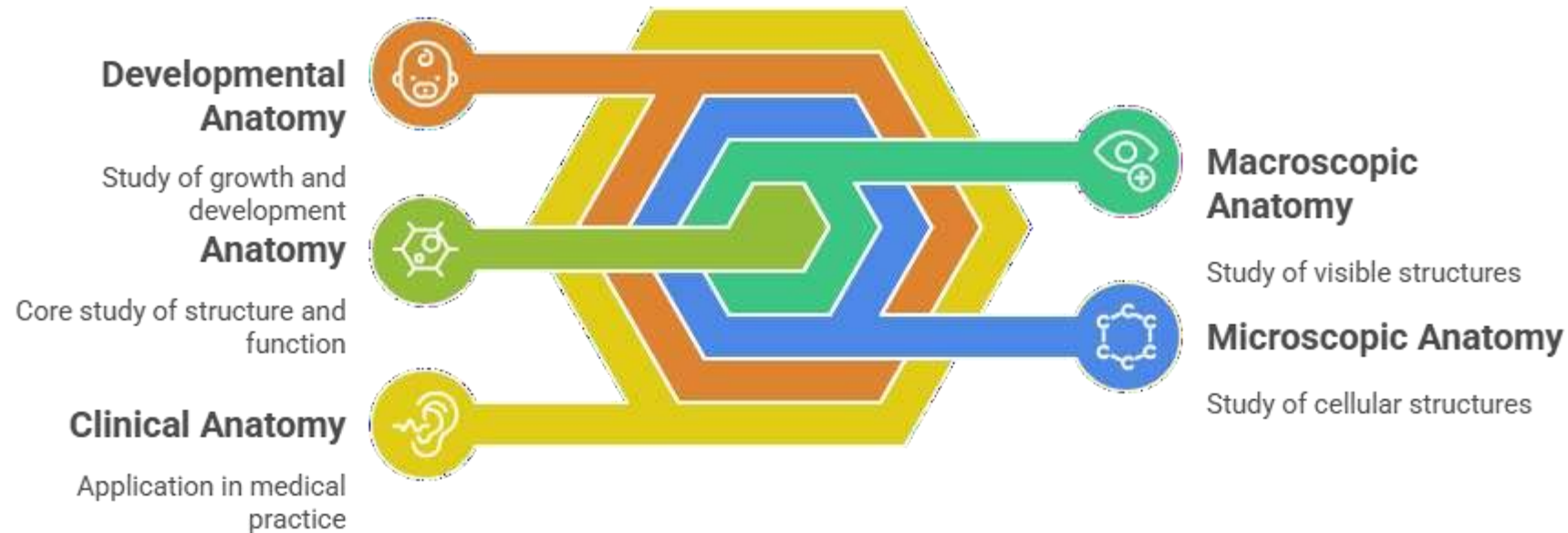
BODY PLANES





APPROACHES TO STUDY ANATOMY

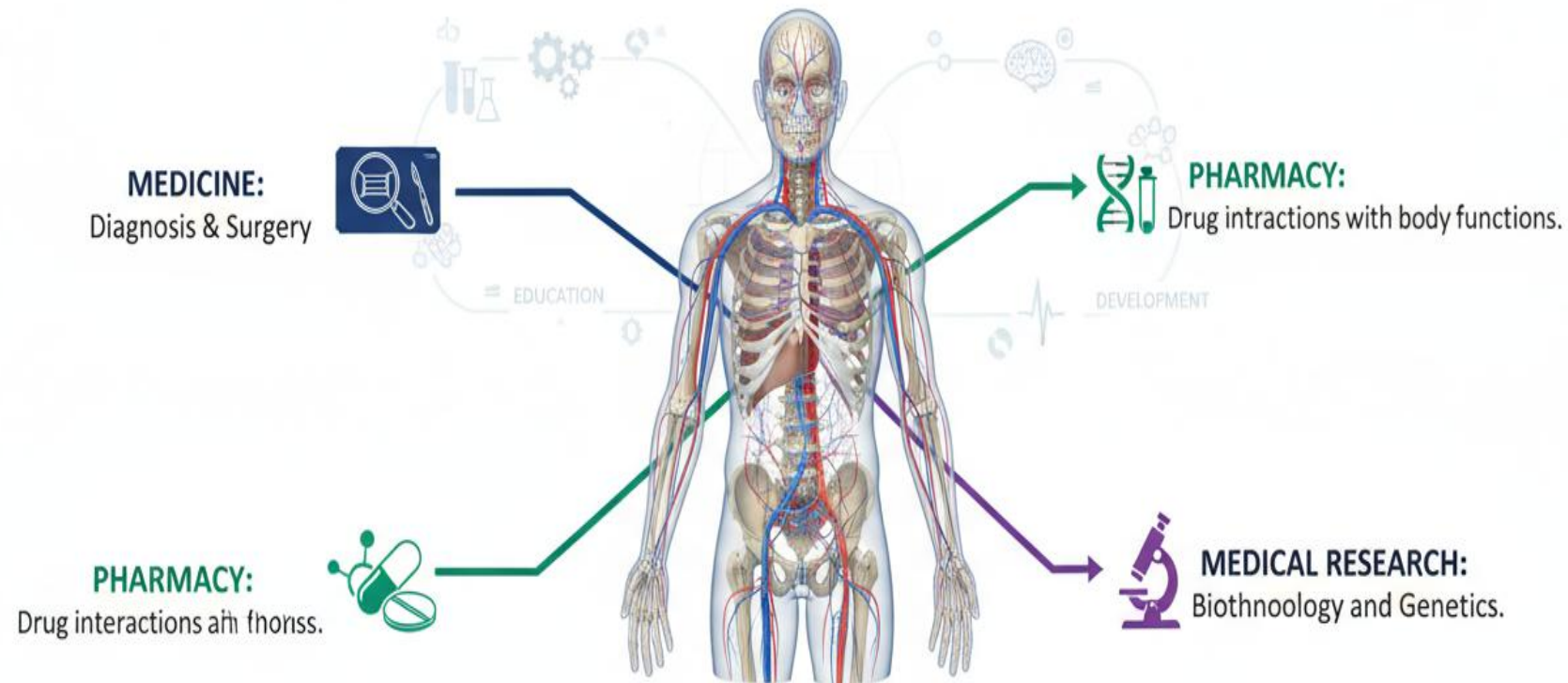
Anatomy Study Specializations



Made with Napkin

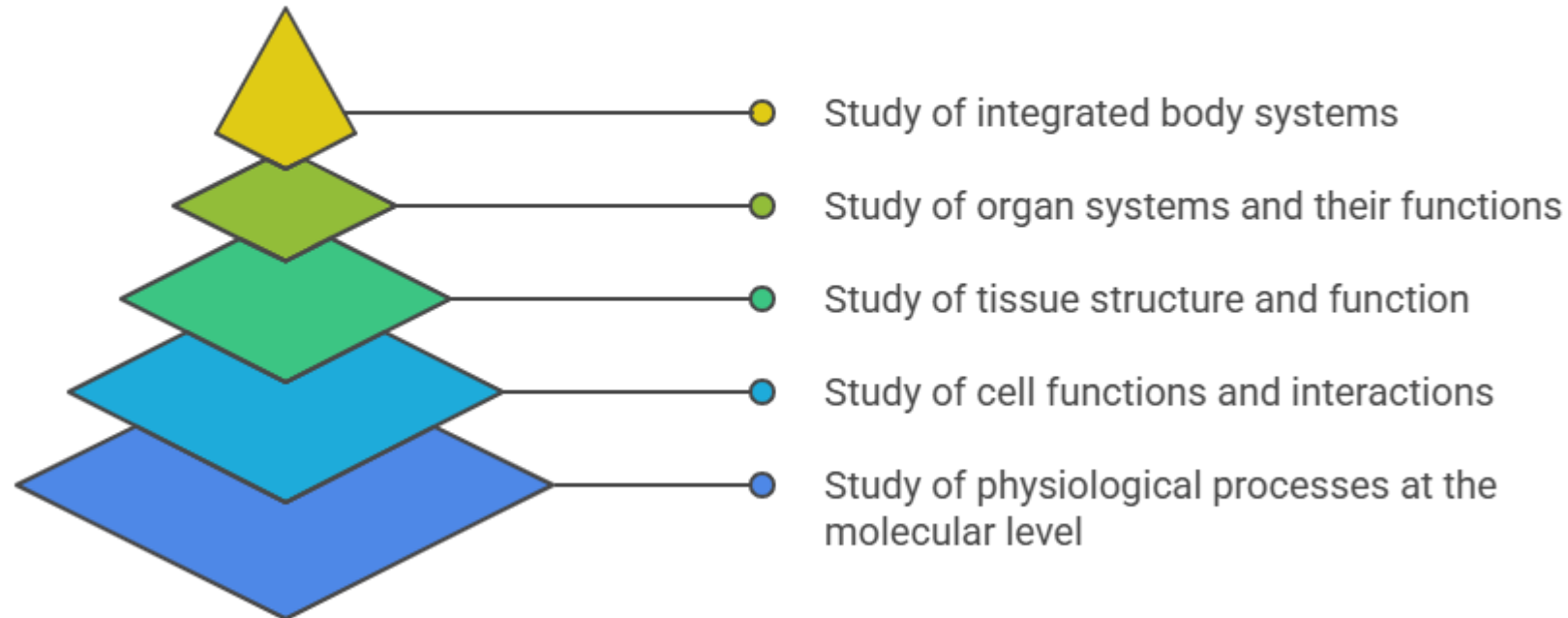
- ✓ This involves the broad application from advanced medical fields.
- ✓ The scope depends on factors like disease understanding, development research.

APPLICATION OF ANATOMY



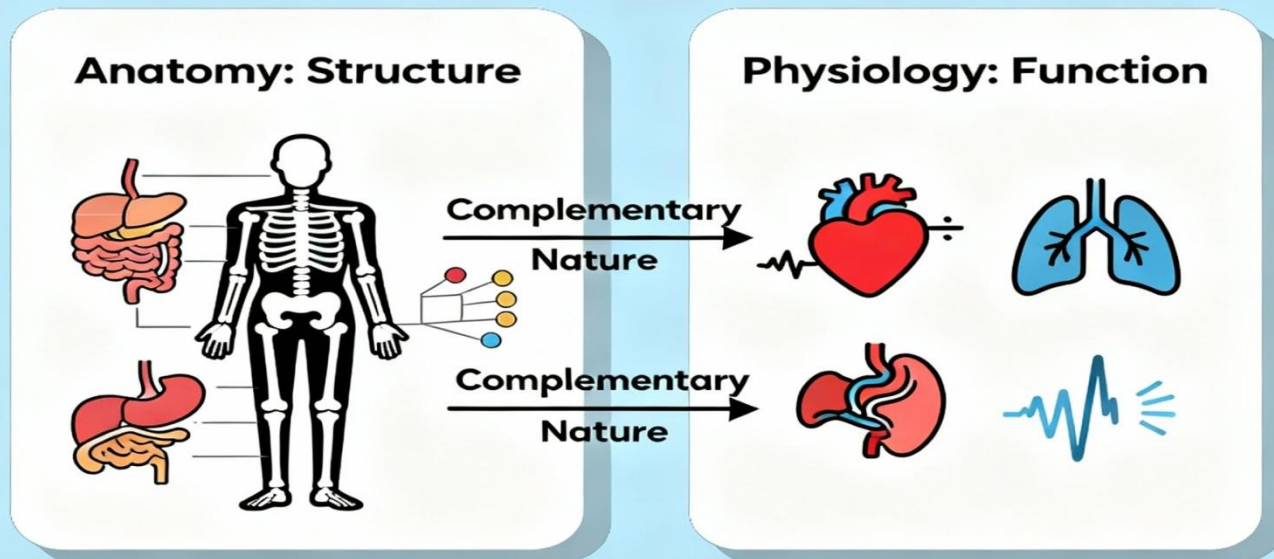
APPROACHES TO STUDY PHYSIOLOGY

Physiology Study Hierarchy



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Interrelation of Anatomy and Physiology

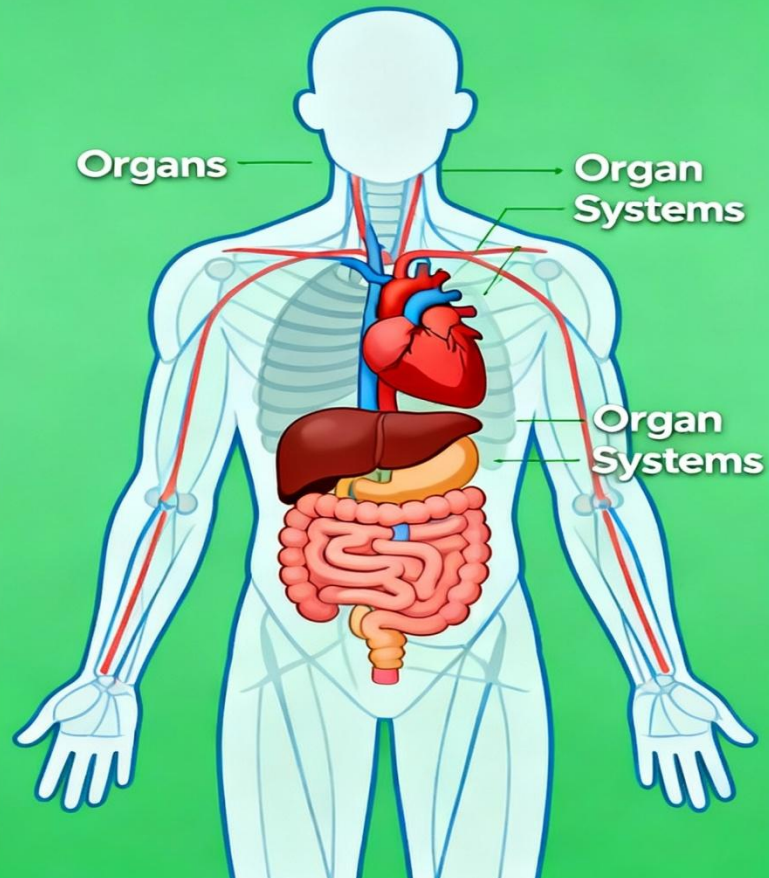
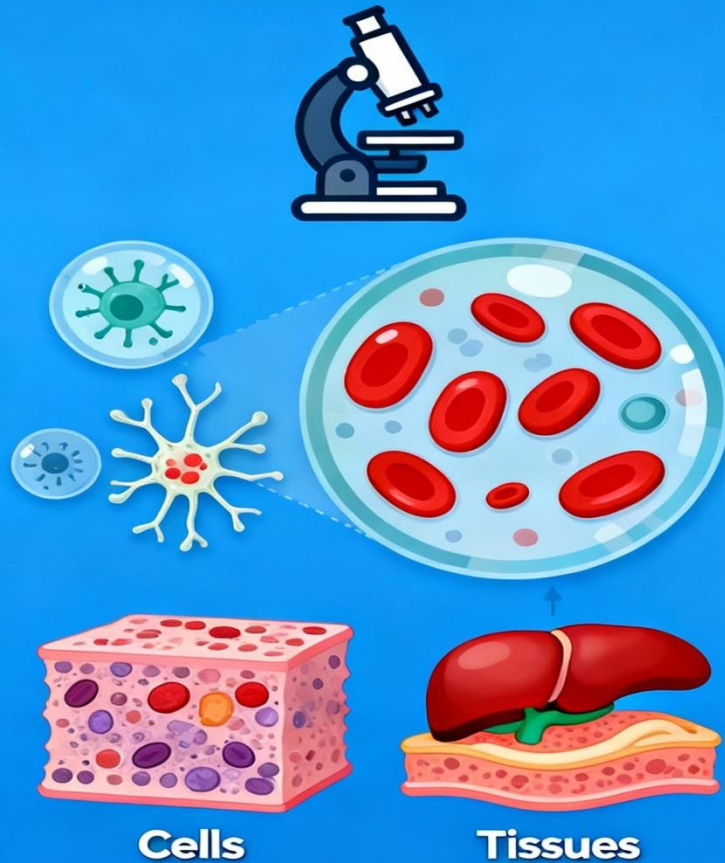


1.Explain why the study of anatomy and physiology are interrelated ?

Microscopic vs. Macroscopic Anatomy


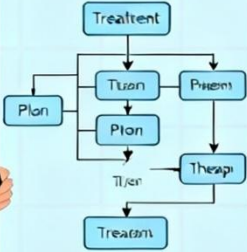
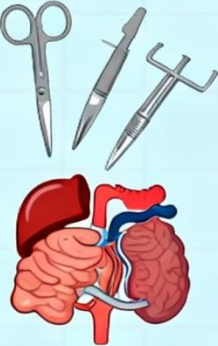


(Study of Structures Using Microscope)

(Visible Structures Without Microscope)



2. Differentiate between microscopic and macroscopic anatomy ?

Importance of Anatomy and Physiology Knowledge in Healthcare

Diagnosis	Treatment	Surgery	Pharmacology	Patient Care
 <p>Understanding body structure aids in identifying abnormalities</p>	 <p>Physiology guides personalized therapy selection</p>	 <p>Anatomical precision ensures safe and effective procedures</p>	 <p>Knowledge of body systems predicts drug effects and interactions</p>	 <p>Awareness of normal/abnormal mal functions improves care quality</p>

3. Discuss how knowledge of anatomy and physiology is important in healthcare ?

REFERENCES



- ✓ Ross And Wilson Anatomy And Physiology In Health And Illness, Anne Waugh & Allison Grant
- ✓ Essentials of Medical Physiology, K. Sembulingam & P. Sembulingam (Jaypee Brothers Medical Publishers)
- ✓ Human Anatomy & Physiology Gerard J. Tortora & Bryan H. Derrickson (Wiley)
- ✓ A Textbook of Human Anatomy and Physiology-I, SIA Publishers



Thank You

