

Week 2: What is Anatomy and Physiology?

Anatomy: The study of structure

- It is concrete- body structures can be seen, felt and closely examined
- Anatomy is a broad field with many subdivisions:
 - Gross or macroscopic (e.g., regional, surface & systemic anatomy)
 - Microscopic (e.g., cytology & histology)
 - Developmental (e.g., embryology)

Physiology: The study of function at many levels

- Subdivisions
 - based on organ systems (e.g., renal or cardiovascular physiology)
- Often focuses on the cellular or molecular level
 - Body's abilities depend on chemical reactions in individual cells
- Rests on the principles of chemistry and physics

SAMPLE