

Anatomy and Physiology 121
Learning Outcomes

1. List the organelles in a typical animal cell and describe the function of each.
2. Describe each cellular organelle's contribution to homeostasis.
3. Describe in detail the processes involved in cellular metabolism.
4. List typical tissue types found in the human body and describe the structure and function of each.
5. List the components of the integumentary system and define the function of each.
6. Identify the bones and bone markings of the human skeletal system.
7. Describe the physiological processes of the skeletal system.
8. List the major types of articulations and describe each in detail.
9. Identify the major diarthrotic joints of the body and describe each in detail.
10. Identify the major skeletal muscles found in the body.
11. Describe the characteristics of skeletal, smooth and cardiac muscle.
12. Describe the physiological processes of a muscle contraction.
13. Identify the major structures found in the brain, spinal cord, and the peripheral nervous system.
14. Describe the physiological functions of the nervous system.
15. List the major components of the male and female reproductive system.
16. Describe the physiological processes involved in each system.
17. Describe in detail the processes of spermatogenesis and oogenesis.