

## INTRODUCTION TO ANATOMY AND PHYSIOLOGY

Anatomy and physiology, although similar in some ways, offer two distinct approaches to studying a living organism. While studying anatomy, you focus on the structure of living organisms by looking at the components of an organism's biological systems as well as the structure of the organs and tissues that make up their biological systems. On the other hand, your studies in physiology center on the function of cells, organs and tissues, and how they work together in the body. These topics can be studied simultaneously in one course, but each science has specializations at different levels.



Answer all of the following statements or questions below using GOOGLE SLIDES. Make each bullet a separate slide. Be sure to use the proper citation (easybib.com) at the bottom of each slide. If you used class notes, simply type class notes at the bottom of the slide.

- Title your project INTRODUCTION TO ANATOMY AND PHYSIOLOGY and type your name(s) below it.
- *Include a picture of two or more different body systems.*
- DEFINE anatomy and explain why it can be studied on the dead.
- How is physiology different from anatomy? Give at least one example of physiology.
- Why is the integumentary system so important?
- *Include a picture of the skin including the layers.*
- List four functions of the muscular system
- How does the speed at which the nervous system works compare to the speed at which the endocrine system works?
- *Include a picture of the nervous system.*
- Explain how the blood moves around the circulatory system.
- *Include a picture of the heart and blood vessels of the cardiovascular system.*
- One similarity and one difference between the male and female reproductive systems.

**Human Body System Pic:** "Human Body Systems: Text, Images, Music, Video | Glogster EDU - 21st Century Multimedia Tool for Educators, Teachers and Students." *JChesky12's Profile | Glogster EDU - 21st Century Multimedia Tool for Educators, Teachers and Students.* Web. 06 Feb. 2012. <<http://jchesky12.edu.glogster.com/human-body-systems/>>.

**Anatomy Info:** "What Is Anatomy and Physiology?" *Degrees & Courses from Top Colleges and Universities: Degree Directory.* Web. 06 Feb. 2012. <[http://degreedirectory.org/articles/What\\_is\\_Anatomy\\_and\\_Physiology.html](http://degreedirectory.org/articles/What_is_Anatomy_and_Physiology.html)>.