

Biology Homework 1-7: Body Systems – Part B

1. The two communication systems in the body that transmit messages between different parts of the body to maintain homeostasis are the -
- digestive and excretory
 - excretory and circulatory
 - endocrine and nervous
 - muscular and skeletal

2. Vocabulary. Match the following body systems with the correct definitions.

_____ nervous system

_____ endocrine system

_____ excretory system

_____ circulatory system

- transports oxygen and nutrients to every cell in the body and removes carbon dioxide waste
- removes non-solid waste material from the body and manages water volume
- consists of the brain, spinal cord and nerves; controls and coordinates functions throughout the body and responds to internal and external stimuli using electrical impulses
- Consists of physically separate organs; controls growth and development, and responds to the environment by using chemical signals

3. Identify the body systems depicted below.

