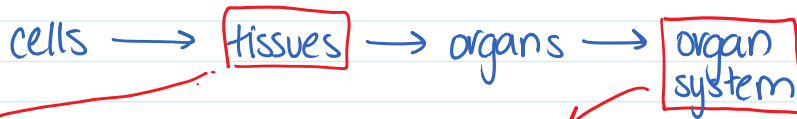


2.1 Body Systems

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2.1 Body Systems

The 4 levels of organization within the human body are:



An organ system has 1 or more organs that perform specific body functions.

Tissues: The foundation of Body Systems

(Table 2.1)

Tissues: a group of cells that have the same structure and function

↳ 4 types:

1. Muscle: assist in body movement
2. Nervous: transfers signals to and from brain
3. Connective: holds together and supports other tissues
4. Epithelial: covers the surface of the body

Systems of the human Body: 11 systems total

1. Circulatory → transports blood, nutrients, gases, and wastes
2. Digestive → breaks down food and absorbs the nutrients
3. Respiratory → exchanges of gases in lungs and tissues
4. Nervous → detects changes in the environment and signals the body to respond
5. Muscular → muscles work with bones to move parts of the body