

ORGANIZATION OF ANIMAL BODIES

Organization of Living Things

I. Cells

- A. all living things are made of cells
- B. basic unit of structure and function
- C. all new cells come from existing cells

II. Tissues

- A. group of similar cells doing same job
- B. four main types of tissues
 - 1. muscle tissue
 - a. allows movement in body
 - b. contracts and relaxes
 - 2. nervous tissue
 - a. directs and controls body
 - b. uses electrical messages
 - 3. connective tissue
 - a. provides support for body
 - b. connects parts together
 - 4. epithelial tissue
 - a. lining tissue of all organs
 - b. "skin"

III. Organs

- A. group of tissues with special function
- B. lots of organs
 - 1. heart
 - 2. lungs

IV. Organ Systems

- A. group of organs that perform function
- B. systems work together to make organism
 - 1. integumentary (skin) – outside covering
 - 2. skeletal - support
 - 3. muscular - movement
 - 4. digestive – break down food
 - 5. circulatory – transport materials
 - 6. respiratory – obtain oxygen
 - 7. excretory – remove wastes
 - 8. nervous – control and senses
 - 9. immune – protection and disease fighting
 - 10. endocrine – chemical/hormonal control
 - 11. reproductive