

CELL ORGANIZATION NOTES

CELLS ... TISSUES ... ORGANS ... SYSTEMS ... ORGANISM

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
 - 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. Muscular
 - 2. Respiratory
 - 3. Digestive
 - 4. Reproductive
 - 5. Excretory
 - 6. Skeletal
 - 7. Skin (integumentary)
 - 8. Nervous
 - 9. Immune
 - 10. Circulatory
 - 11. Endocrine