

Introduction: Levels of organisation

Practical anatomy lab.2 guide paper

A- Levels : Cell, Tissue, Organ, Organ system, Organism (Human).

B- Cell: Membrane, Cytoplasm, Nucleus, DNA, Organelles, Mitochondria, Ribosomes, RNA, Endoplasmic reticulum, Cell membrane(plasma membrane).

C- Tissues : Epithelial, Connective, Muscular, Nervous.

D- Epithelial tissue: Simple, Stratified.

E- Connective: Loose, Dense, Specialized (Bone, cartilage and blood)

F- Muscular tissue: Cardiac, smooth, Skeletal.

G- Nervous tissue : Neuron (soma, axon, dendrites) , neuroglia, white matter, gray matter.

H- Bones : Long, short, flat, irregular, sesamoid..etc

I- Bone structure : Compact bone, spongy bone, epiphyses, diaphyses(shaft).

J- Cartilage, ligaments (bone to bone), tendons (muscle to bone) and bursae.

K- Joints : Fibrous, Synovial...etc

L- Organ systems: Integumentary, Skeletal and muscular (musculoskeletal), nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive system.

M- Skin: Epidermis, dermis, hair follicle, sweat gland, sebaceous gland, nail.

N-

Body cavities: Cranial cavity, spinal cavity, thoracic cavity, abdominal cavity, pelvic cavity.

Skull cavities : Orbital cavity, cranial cavity, nasal cavity, paranasal sinuses.