

**TABLE 4.1 - BASIC TISSUE TYPE: EPITHELIAL TISSUE**

SPECIFIC TISSUE	STRUCTURES
<b>Simple Squamous Epithelium</b> (Bowman's capsule in the Kidney)	<b>Nucleus</b>
<b>Simple Cuboidal Epithelium</b> (Follicular cells in Thyroid gland)	<b>Simple cuboidal epithelial cells</b> (cuboidal follicular cells), <b>Thyroid follicle</b> (secretory sac), <b>Colloid</b> (stored hormone precursor)
<b>Simple Columnar Epithelium</b> (Lumen lining of Intestine)	<b>Goblet cell</b> (mucus secretion), <b>Nucleus</b>
<b>Stratified Squamous Epithelium</b> (Epidermis of Human Skin)	<b>Identify tissue only; comprises epidermis</b>

**TABLE 4.2 - BASIC TISSUE TYPE: CONNECTIVE TISSUE**

SPECIFIC TISSUE	STRUCTURES
<b>Adipose</b> (Subcutaneous layer of Human Skin)	<b>Nucleus, Cell Membrane, Lipid Droplet</b>
<b>Bone</b> (Compact Human Bone)	<b>Ossified Matrix, Osteon</b> (functional unit of compact bone), <b>lamellae</b> (concentric layers of bone tissue), <b>Osteocytes</b> (mature bone cell), <b>Lacunae</b> (space for osteocytes), <b>Canaliculi</b> (space for osteocyte projections), <b>Haversian Canal</b> (space for blood vessel)
<b>Blood</b> (Human Blood Smear)	<b>Erythrocytes</b> (Red Blood Cells) <b>Leukocytes</b> (White Blood Cells) - <b>Neutrophils</b> - <b>Lymphocytes</b> <b>Thrombocytes</b> (Platelets)

**TABLE 4.3 - BASIC TISSUE TYPE: MUSCLE TISSUE**

SPECIFIC TISSUE	STRUCTURES
<b>Skeletal Muscle</b>	<b>Nuclei, Striations</b>
<b>Cardiac Muscle</b>	<b>Nuclei, Striations, Intercalated Discs</b>
<b>Smooth Muscle</b> (Wall of Intestine)	<b>Nuclei</b>

**TABLE 4.4 - BASIC TISSUE TYPE: NERVOUS TISSUE**

SPECIFIC TISSUE	STRUCTURES
<p><b>Neuron</b> (Spinal Cord Smear)</p> <p><b>Neuroglia</b> (Spinal Cord Smear)</p>	<p><b>Cell Body (Soma), Nucleus, Axon, Dendrites</b></p>

**TABLE 4.5 - HUMAN SKIN**

STRUCTURE	DESCRIPTION
<p><b>Epidermis</b></p>	<p>Superficial Portion; Consists of the strata listed below</p>
<p><b>Stratum Basale</b> (or Stratum Germinativum)</p>	<p>Deepest Stratum of epidermis; Single layer of cells</p>
<p><b>Stratum Spinosum</b></p>	<p>Several layers of cells between the stratum basale and stratum granulosum</p>
<p><b>Stratum Granulosum</b></p>	<p>Layer of very darkly-staining cells</p>
<p><b>Stratum Lucidum</b></p>	<p>Layer of clear (or lightly-staining cells); only observed in thick skin</p>
<p><b>Stratum Corneum</b></p>	<p>Superficial stratum of the epidermis; Several layers of cells</p>
<p><b>Dermis</b></p>	<p>Deepest portion of the Skin; below the epidermis</p>
<p><b>Dermal Papilla</b></p>	<p>Extension of dermis into the epidermal region</p>
<p><b>Sudoriferous Glands</b> (or Sweat Glands)</p>	<p>Secretory portion and ducts found in dermis</p>