Uni-nucleated, striated

Voluntary

Long, Cylindrical multinucleated cells, obvious striations

Involuntary

Digestive Tract

Description

Single nuclues, No striations

Involuntary

Heart

Attached to bones

Control

Location

Smooth Muscle

Description

Control

Description

Cardiac Muscle

Location

Control

Skeletal Muscle

Location

Muscular Tissue

Transmit electrical signals, from sensory receptors to effectors

Brain, spinal cord, and nerves

Functions to

Found In

Branching Cells

Looks Like

Nervous Tissue

Nervous Tissue

Stretch

Urinary System

Stratified squamous, and stratified cuboidal

Epidermis, lining of esophagus, mouth and vagina

Protect underlying areas subjected to abrasion

Functions To

Thick membrane with several layers of cells

Stratified Squamous

Single layer of cells with different heights

Male sperm carrying ducts, trachea

Secretion and propulsion of mucus

Absorption and secretion of mucus

Digestive system, gall bladder, uterine tubes, uterus

Single layer of tall cells

Single layer of cube like cells

Kidney tubules, ovary surface

Secretion and absorption

Air sacs of lungs, blood vessels, lining of ventral cavity

Pseudo-stratified Columnar

Simple Columnar

Simple Cuboidal

Simple Squamous

Found In

Looks Like

Functions To

Looks Like

Found In

Found In

Functions To

Looks Like

Functions to

Functions To

Found In

Looks Like

Transitional

Looks Like

Found In

Functions To

Diffusion and filtration

Single layer of flattened cells

Found In

Looks Like

Epithelial Tissue

Elastic fibers in matrix

Red and white blood cells in matrix

Transport waste, nutrients, and gases

Maintain shape, while allowing flexibility

Ear

Functions to

Blood

Bone

Food fuel, insulate,

Protect

Connective

Tissue

**Functions to**

Supports and protects

Looks Like

Calcified Matrix containing collagen

Highly vascularized

Reticular

Functions to

Provide strength in one direction

Tendons and Ligaments

Found In

Looks Like

Dense Regular Connective Tissue

Recoil after stretching

Functions to

Found In

Heart

Looks Like

Elastic Fibers

Wraps and cushions organs

Functions To

Gel matrix, has all three fibers

Looks Like

Under epithelia cells

Found In

Areolar

Absorb Compression

Functions

To

Found In

Looks Like

Fibro-cartilage

Functions to

Found in

Closely packed adiposities/fat cells

Looks like

Under epidermis

Found In

Found In

Spleen and bone marrow

Form soft internal skeleton

Functions to

Looks Like

Reticular Fibers

Between Vertebra

Less firm than hyaline, collagen fibers

Functions to

Adipose

Bones

Found in

Looks like

Looks Like

Found in

Within blood vessels

Elastic Connective Tissue

Amorphis but firm matrix

Looks Like

Hyaline Cartilage

Mostly

Collagen Fibers

Supports and reinforces

Interior of ribs

Functions to

Found In

Elastic

Cartilage