

**Aerolar  
(Loose)  
Connective**

**Adipose  
(Loose)  
Connective**

**Reticular  
(Loose)  
Connective**

**Dense  
Regular  
Connective**

**Dense  
Irregular  
Connective**

**Hyaline  
Cartilage  
Connective**

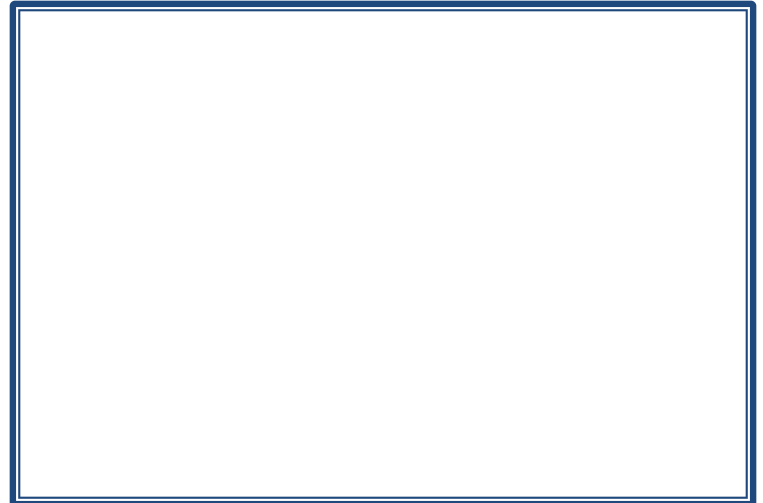
**Elastic  
Cartilage  
Connective**

**Fibrocartilage  
Connective**

**Bone  
(Osseous)  
Connective**

**Blood  
Connective**

**Dense Elastic  
Connective**



**Gel-like ground  
substance with  
collagen and  
elastic fibers**

**Large vacuoles  
filled with  
oil droplets**

**Thin branched  
network of fibers**

**Closely packed  
network of  
collagen  
and elastic fibers**

**Irregularly  
arranged  
collagen fibers**

**Many elastic fibers  
with collagen fibers  
between them**

**Glassy matrix  
that hides collagen  
fibers;  
Chondrocytes  
in lacunae**

**Matrix with thick  
collagen fibers;  
Chondrocytes  
in lacunae**

**Dense network  
of elastic fibers;  
Chondrocytes in  
lacunae**

**Hard calcified matrix;  
Large numbers of  
collagen fibers;  
Osteocytes in lacunae**

**Cells surrounded  
by fluid matrix  
(plasma)**



**Wraps and  
cushions  
organs**

**Protects,  
Insulates,  
Provides fuel  
storage**

**Forms internal  
framework of  
organs**

**Attach muscle  
to bone or  
bone to bone**

**Withstands  
tension in  
many  
directions**

**Provides  
elastic quality**

**Supports  
and  
Reinforces**

**Shock  
absorber**



**Allows flexibility  
while maintaining  
shape**

**Protect and  
support the  
body; Stores  
minerals**

**Transport  
gases,  
nutrients, and  
waste**



**Widely distributed  
under epithelium;  
Packages organs**

**Subcutaneous layer  
under the skin,  
abdomen, and  
breasts**

**Lymph nodes,  
Spleen, and  
Bone Marrow**

**Tendons and  
Ligaments**

**Dermis of  
the skin**

**Walls of arteries  
and airways**

**Ends of long bones,  
trachea, nose,  
and ribs**

**Invertebral disks,  
parts of the pelvic  
girdle and knee**

**External ear  
and epiglottis**

**Bones**

**Contained within  
blood vessels**