

**Areolar
(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**

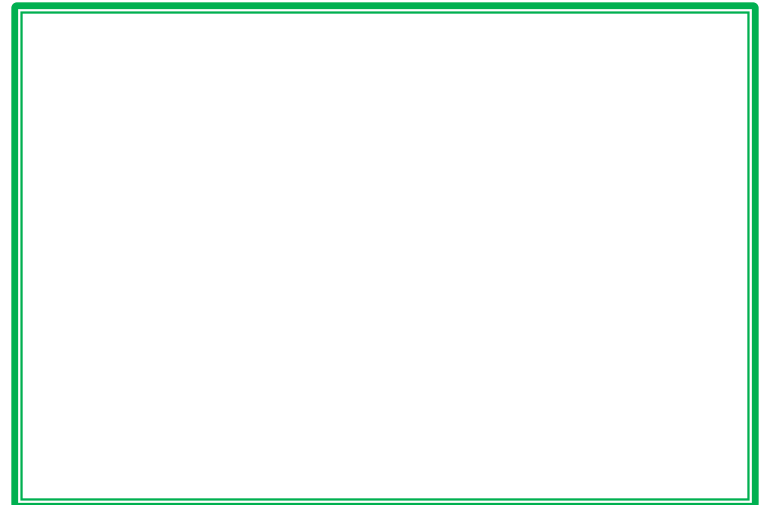
**Supports
and
Reinforces**

**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**