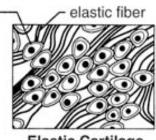
Connective Tissues

Con	ne	ctive Tissue	. Western
•	*	Function:	Fat droplets
		structures	
		together	Adipose tissue
		 Provides support & protection 	Osteon (Haversian
		- Fills spaces	system) Platelets
		- Produces	Central PRed blood cells
			canal Blood Plasma
		For energy, insulation,	Matrix Bone Chondrocytes
		organ protection	Elastic fiber Chondroitin sulfate matrix
•	*	Structure:	Reticular fiber
		- Tissue cells are	Collagenous fiber Cartilage Macrophage
			Loose connective tissue Nuclei of throblasts
		by extracellular matrix	fibroblasts Fibrous connective tissue Copyright © Pearon Education, Inc., publishing as Benjamin Cummings.
		 Can be solid, semisolid, or liquid 	Съругари и 1 сиссоп Сиссонов, по., россония дъс Сограния Съптингдо.
•	*	of connective tis	sue determine its properties
•	*	Fibers of the Matrix	
		fibers - contain	which gives the fibers
		fibers - contain	more than collagen but
		not as strong	
		fibers - thin, highly	
			fibers that
		ROUS CONNECTIVE TISSUE	elastic
•	*	(areolar) connective	tissue
		o adipose	collagenous
•	*	connective tissue	fibers
		o Regular	
		o irregular	
•	*	connective tissue	fibroblast
		/A \ \ \ \ \ = \	
		ose (Areolar) Connective Tissue	
•	*	Lies between other tissues or	
	•	binc	
•	**	Cells made of I	arge, star-
	•	shaped cells	
•	**	Contains many fibers	
		() a	
		fibers (nucleus
	٠,		plasma
•	*	is a type of	loose connective membrane
		tissue	
		found honorth skin around kidner	9. heart breact
		 found beneath skin, around kidney 	α πεαι τ, στεαδτ

B. Dense Connective Tissue Regular Irregular Bundles run in _____ Consists of • Found in inner portion of * Found in _____ & ____ ❖ Binds organs together fibroblast – collagen – Dense Regular Dense Irregular C. Reticular Connective reticular ❖ Has reticular cells and reticular fibers fiber Also called _____ reticular cell-❖ Found in lymph nodes, spleen, thymus, and red bone marrow Part of ______ 2. CARTILAGE Reticular chambers called _____ Matrix is solid yet flexible _____, as a result, it heals slowly 3 types - ____ cartilage - ____ cartilage - Fibrocartilage chondrocyte -A. Hyaline Cartilage ***** _____ ❖ Matrix contains fine _____ Glassy, white, opaque appearance Found in the nose, ends of the long bones and ribs, rings in the trachea Hyaline Cartilage



Elastic Cartilage

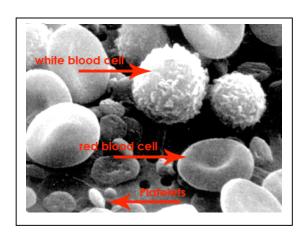
B. Elastic Cartilage

		•	
**	Contains		and
			fibore

❖ Found in the outer ear

*	Two types: o Compact bone		
	 Spongy bone 		
	Pompact Bone Found in the	osteocyte — osteon Compact Bone	Spongy Bone
*	Consists of many	called	,

❖ Found on ends of long bone
❖ Contains _____ separated by



irregular spaces

spongy bone

		found in the
. BL	.OOD	
	Connective tissue	
*	Red blood cells () -
*	White blood cells (
*	cells found in bone marrow	 gment of giant