

HYLINE CARTILAGE

- CLOSELY PACKED COLLAGEN FIBRES IN A MATRIX
- STRENGTHEN & FLEXIBILITY
- FOUND IN TRACHEA, BRONCHI & ENDS OF BONE AT JOINTS

ELASTIC CARTILAGE

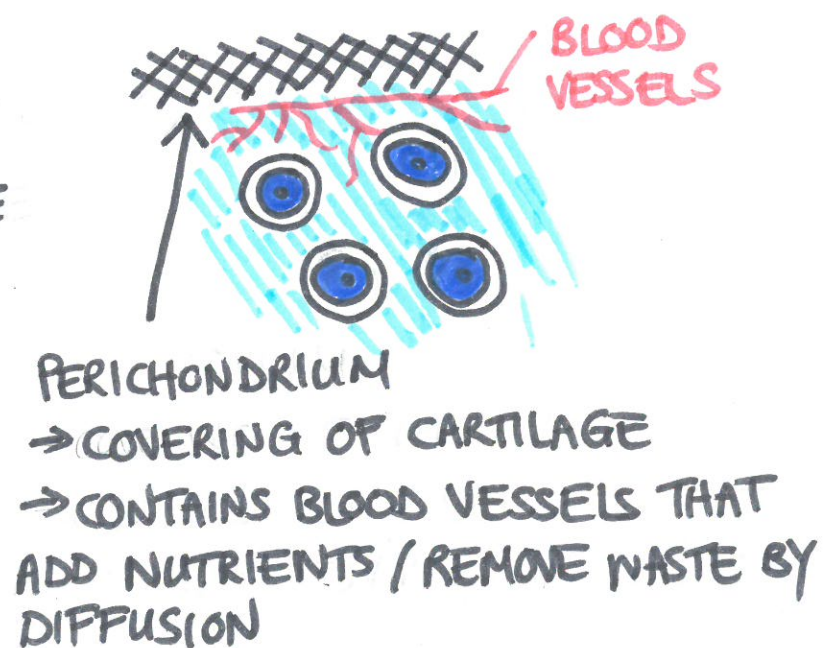
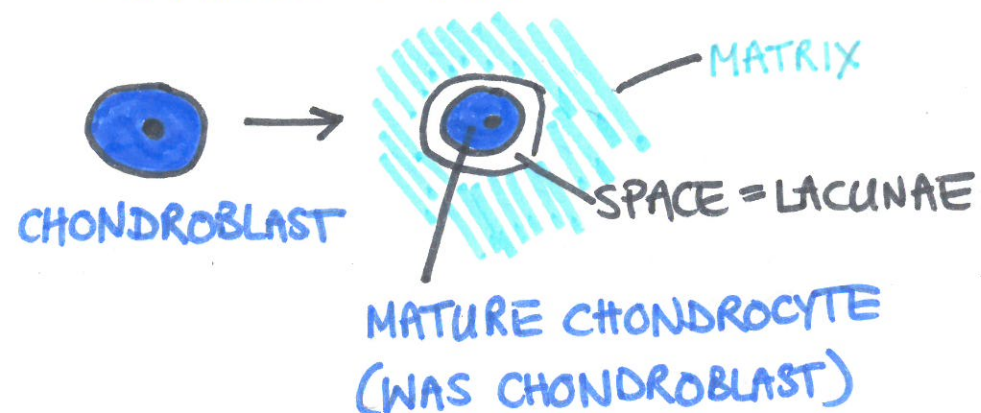
- FIBRES NOT AS CLOSELY PACKED
- FOUND IN EAR - FLEXIBLE & PROVIDES ELASTIC SUPPORT

FIBROCARILAGE

- BUNDLES OF THICK FIBRES - NOT COMPACT - CAN BE COMPRESSED
- FOUND IN INTERVERTEBRAL DISCS - IDEAL CUSHIONING FOR WEIGHT-BEARING

CARTILAGE CELLS = CHONDROBLASTS

- PRODUCE MATRIX → BECOME SURROUNDED BY IT



AXIAL SKELETON

- BONES OF CENTRAL AXIS
- PROVIDES SUPPORT FOR ERECT POSTURE & PROTECTION OF ORGANS

APPENDICULAR SKELETON

- BONES OF UPPER & LOWER LIMBS

BONES PART 2

CARTILAGE

BONES

JOINTS

FIBROUS - NO MOVEMENT

- BONES HELD IN PLACE BY FIBROUS CONNECTIVE TISSUE

CARTILAGINOUS JOINTS - SLIGHTLY MOVEABLE

- HELD IN PLACE BY CARTILAGE

SYNOVIAL JOINTS - FREELY MOVEABLE

- * BALL-AND-SOCKET e.g. SCAPULA & HUMERUS
- * HINGE JOINTS e.g. KNEE OR ELBOW
- * PIVOT JOINTS e.g. VERTEBRA & HEAD
- * GLIDING JOINTS e.g. SCAPULA & CLAVICLE
- * SADDLE JOINTS e.g. THUMB JOINTS & PALM
- * CONDYLOID JOINTS e.g. METACARPALS & PHALANGES