Unit 04 Skin and Body Membranes

Question #15: Why doesn’t my skin tear apart when someone pulls me from my forearm?

Question #16: How are organs protected?
Interstitial Growth of Cartilage

Mesenchyme cells differentiate into chondroblasts.

Chondroblasts secrete extracellular matrix, form lacunae, and become chondrocytes.

Chondrocytes divide one or more times to form isogenous groups.

Each chondrocyte lays down matrix or calcifies it to form its own lacunae and spread apart.

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Question #17: How are organs and organ systems organized?
Question #18: How do the structures of the integumentary system determine its function?
Question #19: How does injury and cancer affect function and homeostasis of the integumentary system?