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Long Bone Structures

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| **Across****7.** Honeycomb, needle-like, contains red marrow and blood vessels, flexibility and support.**9.** Shaft, composed of compact bone**10.** Arteries and veins, and capilaries, Highly vascularized**11.** Dense, smooth, solid, gives bone strength | **Down****1.** Band of cartilage between the epiphysis and diaphysis, increase bone length, growth is complete cartilage hardens into the ephyseal line.**2.** In the hollow portions of the long bone, stores fat.**3.** Outside covering of the diaphysis, fiberous connective tissue membrane, richly supplied with nerve fibers, blood and lymphatic vessels, which enter the bone via nutrient formania.**4.** Made up of hylaine cartilage, covers the external surface of the epiphysis, decreases friction at joint surfaces**5.** In spongy bone, forms blood cells**6.** Cavity of the shaft, contains yellow and red marrow.**8.** Ends of bone, composed of mostly spongy bone. |