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| **Across**  **2.** caused by disruption of blood vessels with blood dispersing through the tissues  **5.** is NOT a diagnosis but a description of decreased bone density inconsistent with age, race, genetics  **6.** - metabolic disease with delayed or inadequate mineralization of osteoid in mature or compact bone (Rickets in children)  **14.** bone infection form parasites or bacteria  **15.** breaks down extracellular matrix, bone chewing  **16.** needed to absorb calcium  **17.** chronic disease of connective tissue that may involve organs with a clinical sign of butterfly rash  **20.** metabolic bone disorder where rate of bone resorption accelerates as bone formation slows- loss of bone mass  **21.** complete tear separation of tendon or ligament from its bony attachment  **22.** connects bones to bones | **Down**  **1.** a protective mechanism to prevent further injury  **3.** released by thyroids when blood calcium is too high, inhibiting release from bone  **4.** compromised circulation with increased pressure resulting in nerve and muscle death  **7.** reservoir for calcium, phosphorus, magnesium  **8.** bone building cells  **9.** live in mature bone and maintains extracellular matrix  **10.** contains synathroses, diathroses, synovial membrane, menisci  **11.** chronic systemic inflammatory autoimmune disease causing inflammation of connective tissue, especially symmetrical joints  **12.**  oxygen and food can diffuse through this gel  **13.** lateral curvature of the spine  **18.** hormone that maintains serum calcium levels and prevents excessive serum phosphate  **19.** connects muscles to bone |