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Skeletal System

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| **Across**  **2.** Inflammation of the joints  **3.** Bone marrow of children and some adult bones that is required for the formation of red blood cells  **4.** The most compressible type of cartilage; resistant to stretch  **5.** Band of regular fibrous tissue that connects bones  **8.** Cartilage with abundant elastic fibers; more flexibly than hyaline cartilage  **12.** relating to the head, neck, and trunk; one of the two major divisions of the body  **13.** The end of a long bone, attached to the shaft  **19.** The canal in the center of each osteon that contains minute blood vessels and nerve fibers that serve the needs of the osteocytes  **21.** A break in a bone  **25.** Bone-forming cells  **26.** Fibrous membranes at the angles of cranial bones that accommodate brain growth in the fetus and infant  **27.** A joint that permits movement in two planes, allowing flexion, extension, adduction, abduction, and circumduction  **28.** Internal layer of skeletal bone. Also called cancellous bone  **29.** Freely movable joints exhibiting a joint cavity; also called a diarthrosis  **30.** A common and complex form of arthritis that can affect anyone  **31.** A chronic inflammatory disorder that can affect more than just the joints  **32.** Bones united by cartilage; no joint cavity is present  **33.** A layer of synovial membrane around a tendon | **Down**  **1.** A dense layer of vascular connective tissue enveloping the bones except at the surfaces of the joints  **6.** A freely movable joint that allows only rotary movement around a single axis  **7.** A fibrous sac lined with synovial membrane and containing synovial fluid; occurs between bones and muscle tendons  **9.** A disease of children caused by vitamin D deficiency  **10.** The most abundant cartilage type in the body; provides firm support with some pliability  **11.** Relating to the limbs; one of the two major divisions of the body  **14.** Process involving bone formation and destruction in response to hormonal and mechanical factors  **15.** Bones joined by fibrous tissue; no joint cavity is present  **16.** Large cells that resorb or break down bone matrix  **17.** The shaft or central part of a long bone  **18.** Also known as cortical bone, is a denser material used to create much of the hard structure of the skeleton  **20.** A synovial joint that allows only gliding movement  **22.** Mature bone cell  **23.** Increased softening of the bone resulting in a gradual decrease in rate of bone formation  **24.** A bone joint that permits motion in only one plane |