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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 |