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Skeletal, Muscular and Integumentary System

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| **Across****3.** made up of keratin**4.** Responsible for bone growth and uptake of minerals from the blood. **8.** skeletal muscles are joined to bones by tough connective tissue called**12.**  tough, fibrous membrane that covers and protects the outer surfaces of bone**16.** each myofibril contains thick filaments of a protein called **17.** each myofibril contains thin filaments of a protein called**19.** voluntary and striated; attach to bones and control conscious movement **21.** skeletal muscle cells are filled with tightly packed filament bundles called**23.** fast twitch; not as many mitochondria**24.** outer layer of the skin**25.** a soft connective tissue that produces blood cells**26.** found only in heart and is specialized to help pump blood throughout the body | **Down****1.** consists of the skull, vertebral column, and the rib cage**2.** connective tissue found in many areas of the body**5.** when one muscle in the pair contracts, the other muscle in the pair relaxes**6.** dissolve minerals in bone matrix and release them back into the blood.**7.** consists of the bones of the arms, legs, pelvis and shoulder area**9.** makes up the dense outer layer of bone**10.** slow twitch; contains many mitochondria**11.** produced by cells at the base of structures called**13.**  found inside bones and is lighter and less dense than compact bone**14.** most serious type of skin cancer**15.** beneath the epidermis**18.**  found in hollow organs of the body such as stomach, intestines, and around blood vessels **20.** abnormal growth of cells in skin**22.** Regulate mineral homeostasis |