Name _____



Bones Crossword

(Answer ID # 0209523)

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Down

- 1. Bats bones do this as you go toward the tip to reduce mass.
- 3. Your skeleton was made of this before the chondrocytes made the matrix.
- 4. These attach muscles to bones.
- 6. This is a process that occurs when calcium and other minerals are deposited around cartilage to make bones hard.
- These cells act like microscopic construction workers – constantly remodeling and reshaping your bones because of everyday stresses.
- 8. This is the bone in the upper arm.
- 10. Bat bones are designed to conserve this, which they are very efficient at doing.
- 13. This is the type of bone in your leg.

Across

- 2. This is a force that results from the tendency of objects with mass to accelerate toward each other.
- 5. Bat wing bones display this type of scaling, as shown in analytical studies of bats versus others non-flying animals.
- 9. This is on the outside of the bone. It provides that bone with protection and nutrition.
- 11. Studies have shown that bat bones undergo this force while flying, which can be characterized as a "twisting" motion.
- 12. These cells lay down minerals like calcium and are the first cells brought in after blood vessels form in your bones!
- 14. Most mammalian bones move at these points in the body, such as the hip, elbow, and knee.

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