The Skeletal System

The main Functions of the Skeletal System is to create a framework for the body, protect organs in the body, produce movement, store calcium and produce red blood cells.

Long Bones

- Makes up most bones in the arms and legs.
- » Has a long shaft (hence why it's names "Long bone")
- Facilitates movement and supports the weight of the body.
- Long bones include bones that make up the major part of the arms and legs, the metatacsals (Foot bones), metacarpais (hand bones) and phalanges.

Short Bones

- Equal in length and width, like a cube
- Include the Carpals (wrist bones) and tarsals (ankle bones)
- Provide stability and movement.

Flat Bones

- > Thin, Flat and some are curved. Metacarpais
- Pretect internal organs like a shield
- Found in the ribs, sternum and include cranial bones.

Irregular Bones

- ▶ Odd shaped, like a puzzle piece
- Do not Fit the characteristic traits of other bones.
- » Includes the bip bones, vertebrae and sacrum

fesamoid Bones

- A small bones that us usually embedded within a muscle of tendon near joints.
- Functions as a pulley to alleviate stress on the particular muscle or tendon it is embedded on
- Includes the Patella and bones that make up the knuckles on the hands and Feet.

9 pages total





Anatomy And Physiology Skeletal System Study Guide

Linda Swisher, Kevin T. Patton

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see the magnitude angle and components of each vector experiment with vector equations and compare vector sums and differences

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web vector addition goal to understand the principles of adding vectors by the graphical method and of adding vectors by component addition background two or more vectors can be added together to determine a vector sum or resultant two methods of adding vectors are the graphical or head to tail method and the trigonometric or component

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web the graphical method of adding vectors and involves drawing vectors on a graph and adding them using the head to tail method the resultant vector is defined such that b r the magnitude and direction of are then determined with vector addition formula definition properties examples - Sep 17 2023

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web addition of three or more right angle vectors as our first example consider the following vector addition problem example 1 a student drives his car 6 0 km north before making a right hand turn and driving 6 0 km to the east finally the student makes a left hand turn and travels another 2 0 km to the north

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web vector addition is one of the most common vector operations that a student of physics must master when adding vectors

a head to tail method is employed the head of the second vector is placed at the tail of the first vector and the head of the third vector is placed at the tail of the second vector and so forth until all vectors have been

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web if the vectors are in the component form then the vector sum formula is a b a 1 b 1 a 2 b 2 a 3 b 3 if the two vectors are arranged by attaching the head of one vector to the tail of the other then their sum is the vector that joins the

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web answer according to the parallelogram law of vector addition if two vectors vec a and vec b represent two sides of a parallelogram in magnitude and direction then their sum vec a vec b the diagonal of the parallelogram through their common point in magnitude and direction

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