Physical Principles in Living Systems

Hidden Muscle Message

Name: Period:

Unscramble the terms about the muscular system below, then fill in the numbered boxes on the next page to reveal why it is an advantage for bones and muscles to work together. You can use Chapter 15, Section 3 to help you.

REVLE	a bar that pivots at a fixed point
RACBIOE XEIREESC	a steady, moderately intense activity
HIRTD-LSCAS LERVE	when the effort force is between the fulcrum and the load
LATNOURYV	muscle action that is under your control
TSXOEREN	a muscle that straightens part of the body
TERFOF EFROC	a force applied to a lever
TOSNNDE	these connect skeletal muscles to bones CoolClips.com
SOOHTM MECLUS	type of muscle found in the digestive tract
VATIONLUYRN	muscle action that is not under your control
FERXOL	a muscle that bends part of the body
CAIRADC MEUSCL	type of muscle found in the heart
LAOD	a force that resists the motion of a lever
LUUCSAMR MYSTES	this is made up of the muscles that let you move

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DINNISTEIT	this is caused when an injured tendon is inflamed during exercise
ACHIEMANLC VDTAEGANA	how many times a machine multiplies force
DOESCN-SACSL LEERV	when the load is between the fulcrum and effort force
LURCUMF	a fixed pivot point on a lever
TSRIF-SALSC LVERE	- when the fulcrum is between the effort force and load
NASTIR	an injury in which a muscle or tendon is over stretched or torn
1 2 3 4 5 6 7 8	9 10 11 12 13 14 15 W K 18 19 20 21 22 23 24 25 26 27