

Energy
The ability to do work, or move a force through a distance. Energy exists in various forms-mechanical, electrical, thermal, light, chemical - and can be converted from one form to another.

Mechanical Energy



Energy produced by a machine or moving part.

Heat

The movement of thermal energy from one substance to another



Light

A form of energy that travels in waves and can move through empty space where there is no air.



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Motion

The state in which one object's distance from another is changing



Kinetic Energy

The energy an object has due to its motion.



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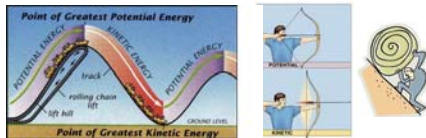
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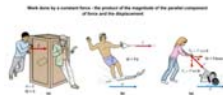
Potential Energy

Energy that is stored in an object.



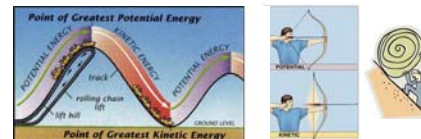
Work (not effort)

Using a force to move an object a distance when the force and the object's motion are in the same direction.



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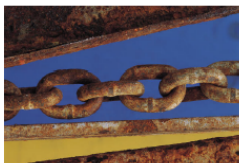
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Chemical Change

A change of matter that produces a new substance



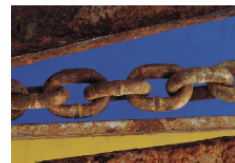
solubility

The ability of one substance to be dissolved in another substance



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