



Chapter 12: Work and Energy

Work, Power & Machines

work



equation for work



Do practice problem #1
on page 379.



joule



power



equation for power



watt (W)



Do practice problem
#1 on page 381.



mechanical advantage



equation for MA



Simple Machines

simple machines

lever family

3 versions of the lever

inclined plane family

3 versions of inclined
plane

compound machine

equation

What is Energy

potential energy

elastic potential

gravitational potential

equation for grav. pot.

Do practice problem
#1 on page 393.

kinetic energy



equation for kin. energy



mechanical energy



chemical energy



electricity



electromagnetic waves



Conservation of Energy

Energy transformation



Law of Conservation



1st law of thermo-
dynamics



open system



closed system

