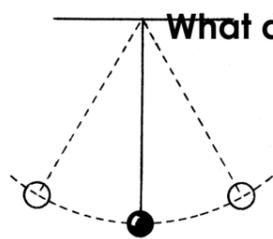


What are the 5 main stores of energy?

- 1)
- 2)
- 3)
- 4)
- 5)

What are the energy changes in a pendulum?



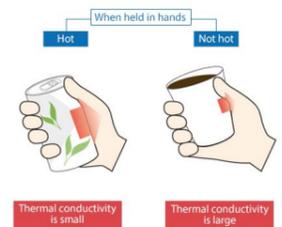
Why would conservation of energy only apply in a vacuum?

The more powerful an appliance is, the faster the rate at which it transfers energy.

What is the equation for Power, P?

P2 — What is thermal conductivity?

P2 — What is specific heat capacity, c?



Equation?

P2 — Describe the equipment and method needed to find the specific heat capacity of a block of iron.

What is friction?

# P1 and P2 — Conservation and dissipation of energy

Why do you weigh more on earth than the moon, when your mass stays the same??



What is the principle of conservation of energy?

What is work done?

What is the equation to calculate  $\Delta E_p$ ?

What is the equation to calculate  $E_k$ ?

What is useful energy? Example?

What is wasted energy? Example?

What is the equation that links  $E_k$  and  $\Delta E_p$ ?

How do you calculate efficiency?

What is the equation that links efficiency and power?

Complete the table:

Why devices waste energy.	How to reduce the problem.
Friction between moving parts causing heating.	
The resistance of a wire causes heating.	
Air resistance opposes the motion of an object.	
Sound created by machinery.	