Question: If energy is the ability to do work, what is WORK?

WORK

**Work** is when a force is applied to an abject and the object

 moves in the same direction as the force.

W=f x d

WORK = Force x Distance

Work done on an object

changes the energy

WORK = Energy

**The units of work are** JOULES.

**1 Joule equals the amount of force(Newtons) it takes to move an object 1metre**

1J = 1N x 1m

Example: (from Video with ramp)

Practice Example:

**If Mr Chio pulls a wagon full of rocks up Oxford hill with a force of 600N a distance of 300m, how much work did Mr Chio do?**