WORK, POWER AND SIMPLE MACHINES

Work = **Force** X **Distance**

Definition:
A _____ that makes something _____

Units: J N m

Definition:
Is a _____ or a _____.

Units: J N m

Definition:
How _____ something moves.

Units: J N m

Power = **Work** ÷ **Time**

Definition:
The amount of _____ per unit of _____

Units: W J N m

Definition:
A _____ that makes something _____

Units: J N m

Definition:
How _____ it takes to do something.

Units: J N m sec

Mechanical Advantage = **Force of the resistance** ÷ **Force of the effort**

Definition: The _____ of times a machine _____ force.

Units: J N M none

Definition:
The force that the comes _____ of the machine.

Units: J N m

Definition:
The force that goes _____ the machine.

Units: J N m

Efficiency = **Work Output** ÷ **Work input X 100**

Definition: Compares useful _____ to _____ work.

Units: J N m %

Definition:
The amount of work that the machine _____.

Units: J N m

Definition: The amount of work that went _____ the machine.

Units: J N m