

## FORMELSAMLING FÖR ENERGI OCH EFFEKT

$$F = m \cdot g$$

F = force = kraft [N]

m = mass = massa/vikt [kg]

g = gravitationskonstanten  $\approx$  [10 N/kg]

$$W = F \cdot s$$

W = work = arbete [Nm]

F = force = kraft [N]

s = stretch = sträcka [m]

$$P = W/t$$

P = power = effekt [W]

W = work = arbete [Nm]

t = time = tid [s]

Energilagen

Effekt = spänning \* ström

$$P = U \cdot I$$

P = power = effekt [W]

U = spänning [V]

I = ström [A]

Ohms lag

Spänning = resistans \* ström

$$U = R \cdot I$$

U = spänning [V]

R = resistans (motstånd) [ $\Omega$ ]

I = ström [A]