

# Rearrange These Equations ①

**Energy**

$$E_k = \frac{1}{2}mv^2$$

$$\text{or } 0.5mv^2$$

$$m =$$

$$v =$$

$$E_p = mgh$$

$$m =$$

$$g =$$

$$h =$$

$$E_e = \frac{1}{2}ke^2$$

$$\text{or } 0.5ke^2$$

$$k =$$

$$e =$$

$$\Delta E = mc\Delta\theta$$

$$m =$$

$$c =$$

$$\Delta\theta =$$

Do you know what each letter means?

$$P = \frac{E}{t}$$

E =

t =

$$P = \frac{W}{t}$$

W =

t =

Electricity

$$Q = I t$$

I =

t =

$$V = I R$$

I =

R =

Can you give units for each term?

$$P = VI$$

$$V =$$

$$I =$$

$$P = I^2 R$$

$$I =$$

$$R =$$

$$E = Pt$$

$$P =$$

$$t =$$

$$E = QV$$

$$Q =$$

$$V =$$