

### Cinematique

$$V_B = V_a + a\Delta t$$

$$\Delta S = V_a\Delta t + \frac{1}{2}a\Delta t^2$$

$$\Delta S = (V_a + V_b/2)\Delta t$$

$$\Delta S = V_b\Delta t - \frac{1}{2}a\Delta t^2$$

$$V_b^2 = V_a^2 + 2a\Delta s$$

### Dynamique

$$F_g = mg$$

$$F_f = \mu FN$$

$$F_e = K\Delta X$$

### Energie

$$W = Fa\Delta S \cos\theta$$

$$E_c = \frac{1}{2}mV^2$$

$$P = W/t$$

$$W = P\Delta t$$

$$E_g = mgh$$

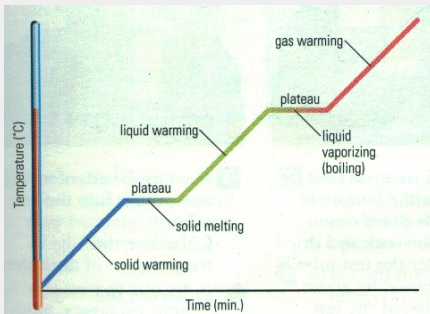
$$E_a = E_b$$

$$E_e = \frac{1}{2}K\Delta x^2$$

$$\Delta E_{Th} = M = mc\Delta T$$

$$\Delta E_{Th} = M * L$$

### Energie



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