

2		03
---	--	----

02

${}^{60}_{27}\text{Co}$  .1

**www.pc-lycee.com**

${}_{26}\text{Fe}$   ${}_{28}\text{Ni}$  .1.1

$t=0$   $m_0$   $m(t) = m_0 e^{-\lambda t}$  .2

$t$   ${}^{60}_{27}\text{Co}$  (  $n$  )  $t = n.t_{1/2}$   $t_{1/2}$   $m(t)$  .3

$$m(t) = \frac{m_0}{2^n}$$

${}^{60}_{27}\text{Co}$  .4

$t=10,5\text{ans}$   $m$   $60$   $t_{1/2}$  .4.1

$$m = \frac{m_0}{e^{\lambda t}}$$

$.60$   $M$   $N_A$   $m_0$   $t_{1/2}$   $t=0$   $a_0$  .4.3

1année=365,25jours  $N_A=6,02.10^{23} \text{ mol}^{-1}$   $M=60\text{g.mol}^{-1}$   $a_0$

