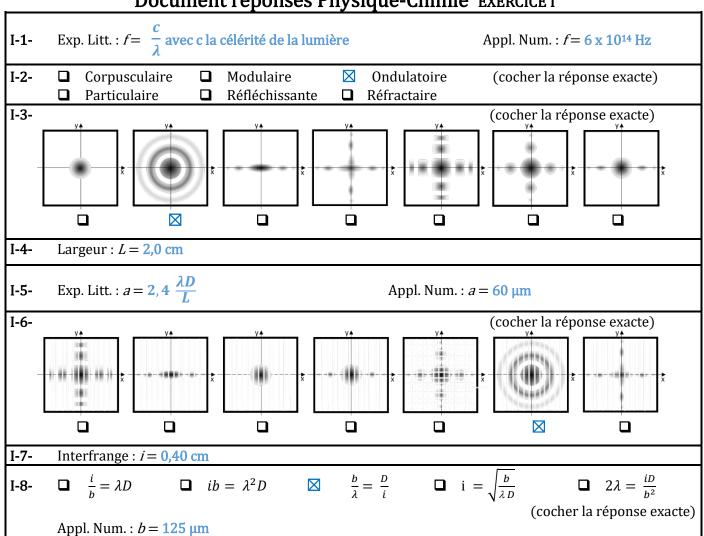
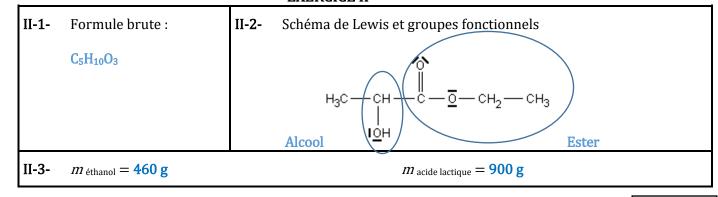
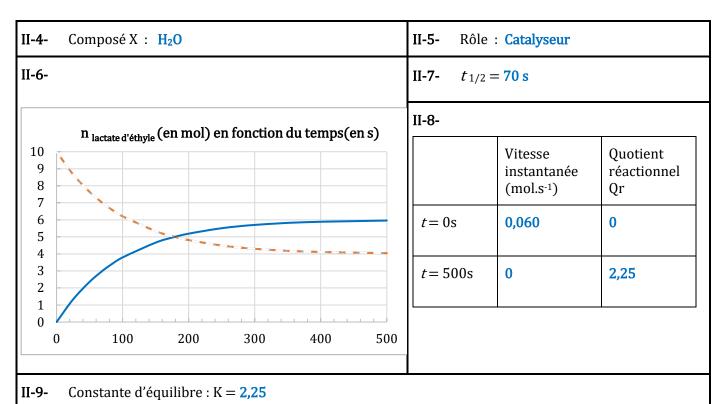


Document réponses Physique-Chimie EXERCICE I



EXERCICE II

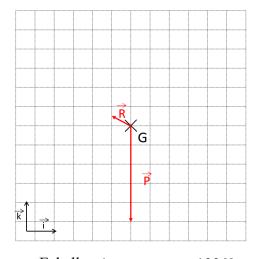




EXERCICE III

III-1- $\Delta E_{pp} = -mgh$ III-2- $\Delta E_c = \frac{1}{2} m V_E^2$ Appl. Num. : $V_E = 30 \text{ m.s}^{-1}$ III-4- Exp. Litt. : P = mg Appl. Num. : P = 500 N





Echelle: 1 carreau pour 100 N

- III-6- Relation: $\overrightarrow{P} + \overrightarrow{R} = m \overrightarrow{a}$
- III-7- $a_x(t) = \frac{R_x}{m}$ $a_z(t) = \left(\frac{R_z}{m} g\right)$
- III-8- $v_{x}(t) = \frac{R_{x}}{m}t + V_{E}$ $v_{z}(t) = \left(\frac{R_{z}}{m} g\right)t$
- **III-9-** Expressions littérales

$$x(t) = \frac{R_x}{2m}t^2 + V_E t \qquad z(t) = \frac{1}{2}\left(\frac{R_z}{m} - g\right)t^2$$

III-10- Appl. Num.:

$$x(2s) = 36 \text{ m}$$
 $z(2s) = -18 \text{ m}$

III-11- ☑ Avant le point K ☐ exactement en K ☐ après le point (cocher la réponse exacte)