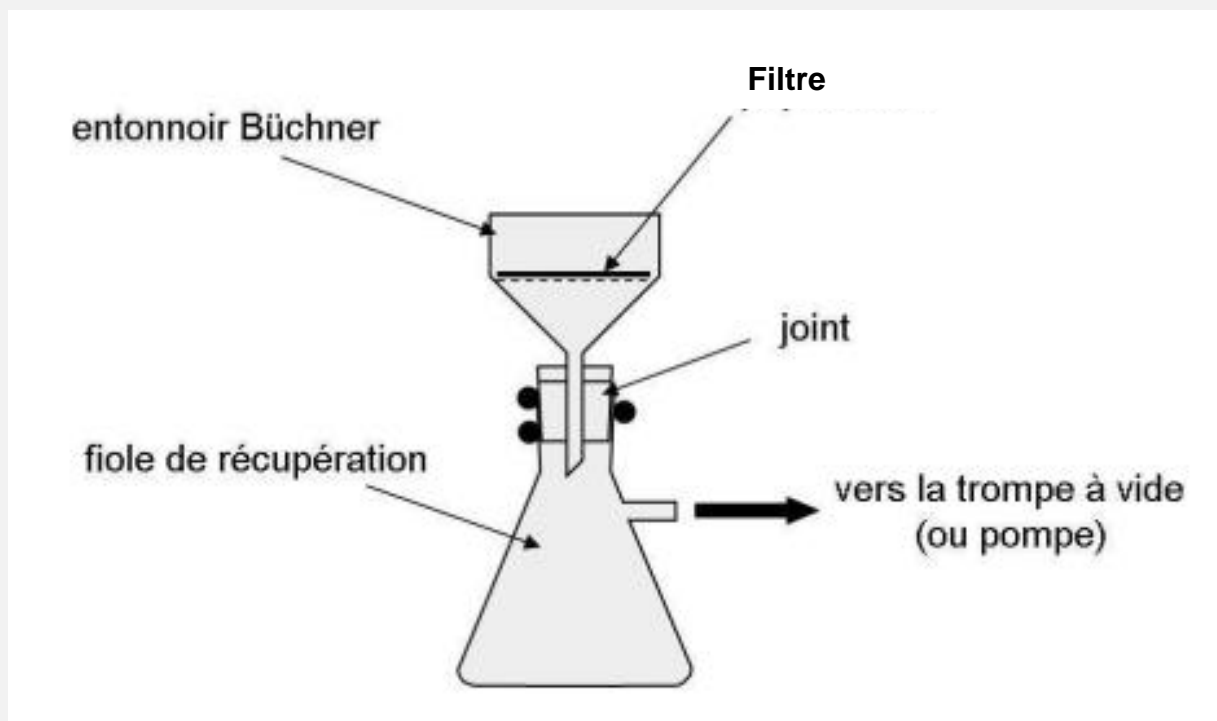
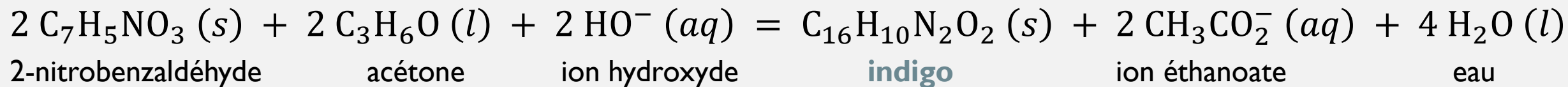
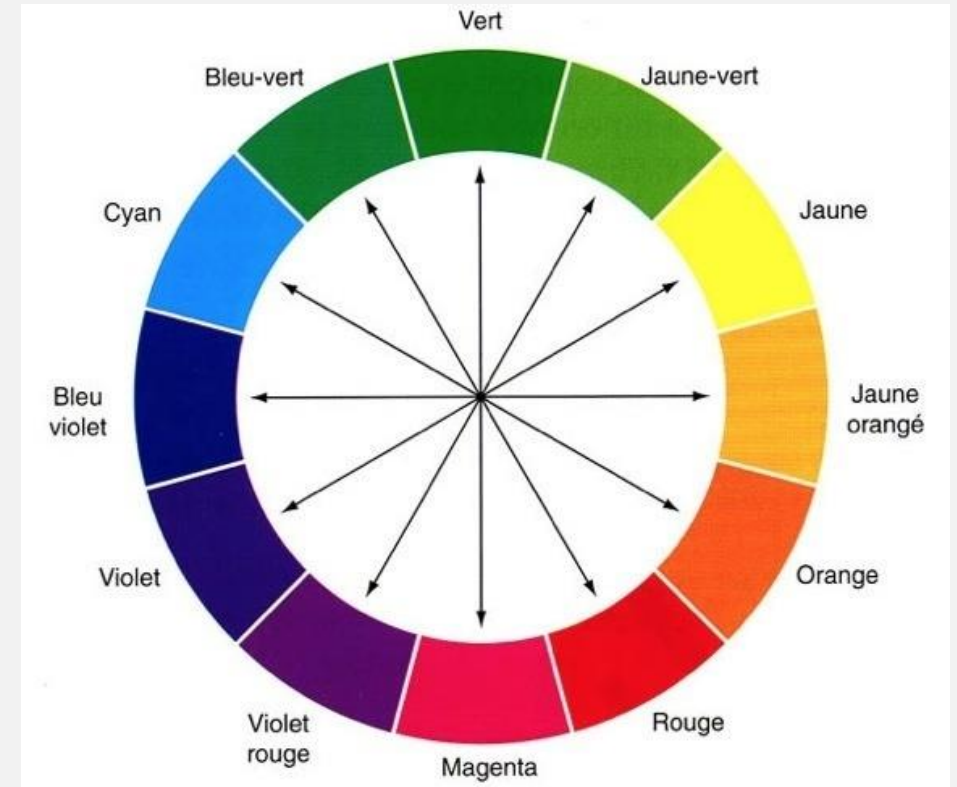
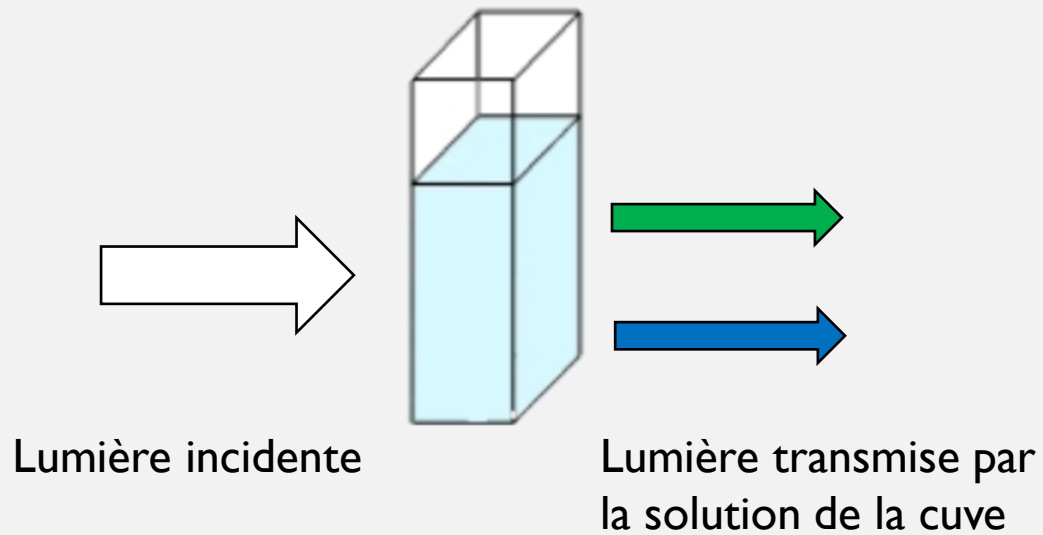


LC 08 CARACTÉRISATIONS PAR
SPECTROSCOPIE EN SYNTHÈSE
ORGANIQUE

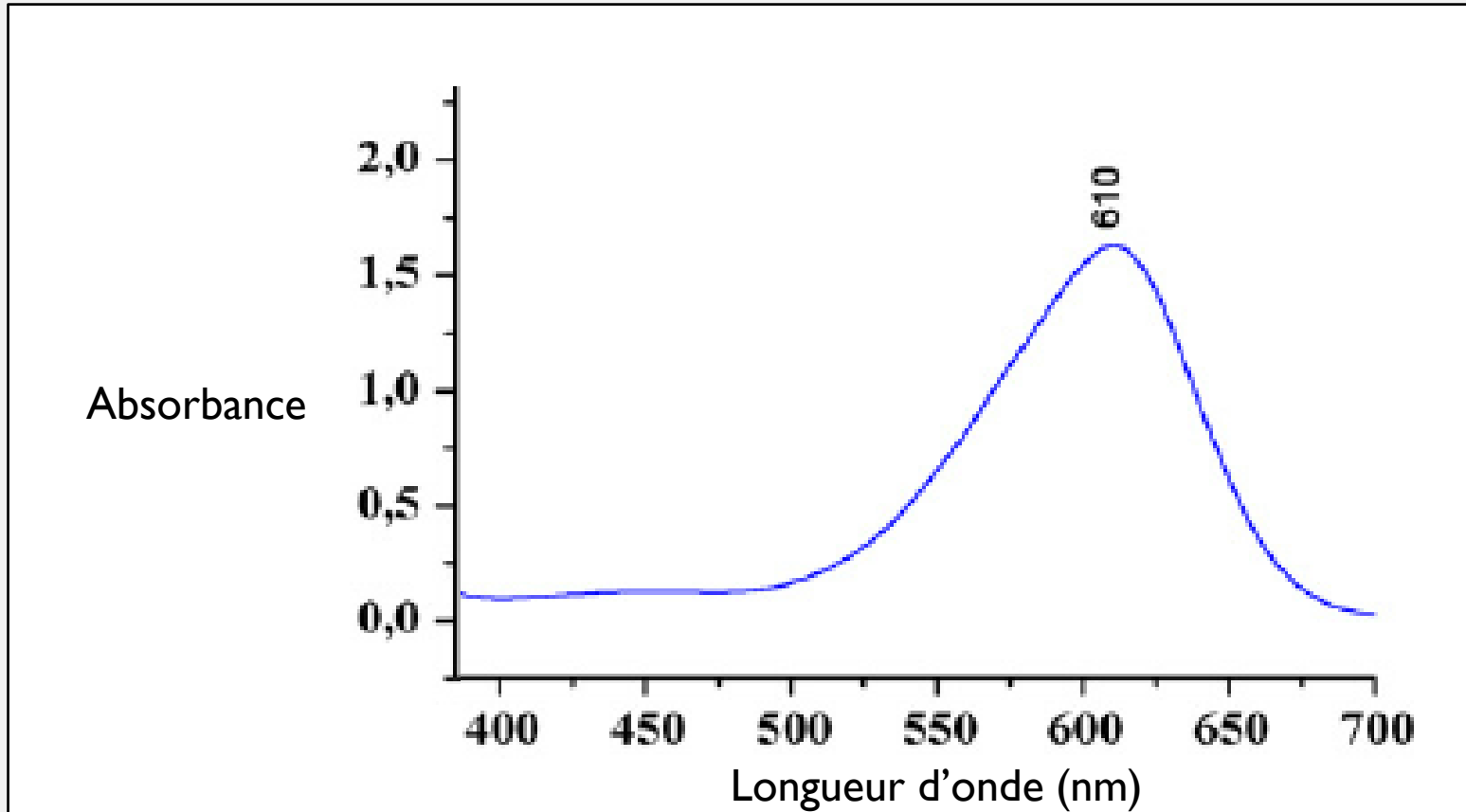
I/ SPECTROSCOPIE UV-VISIBLE



I/ SPECTROSCOPIE UV-VISIBLE

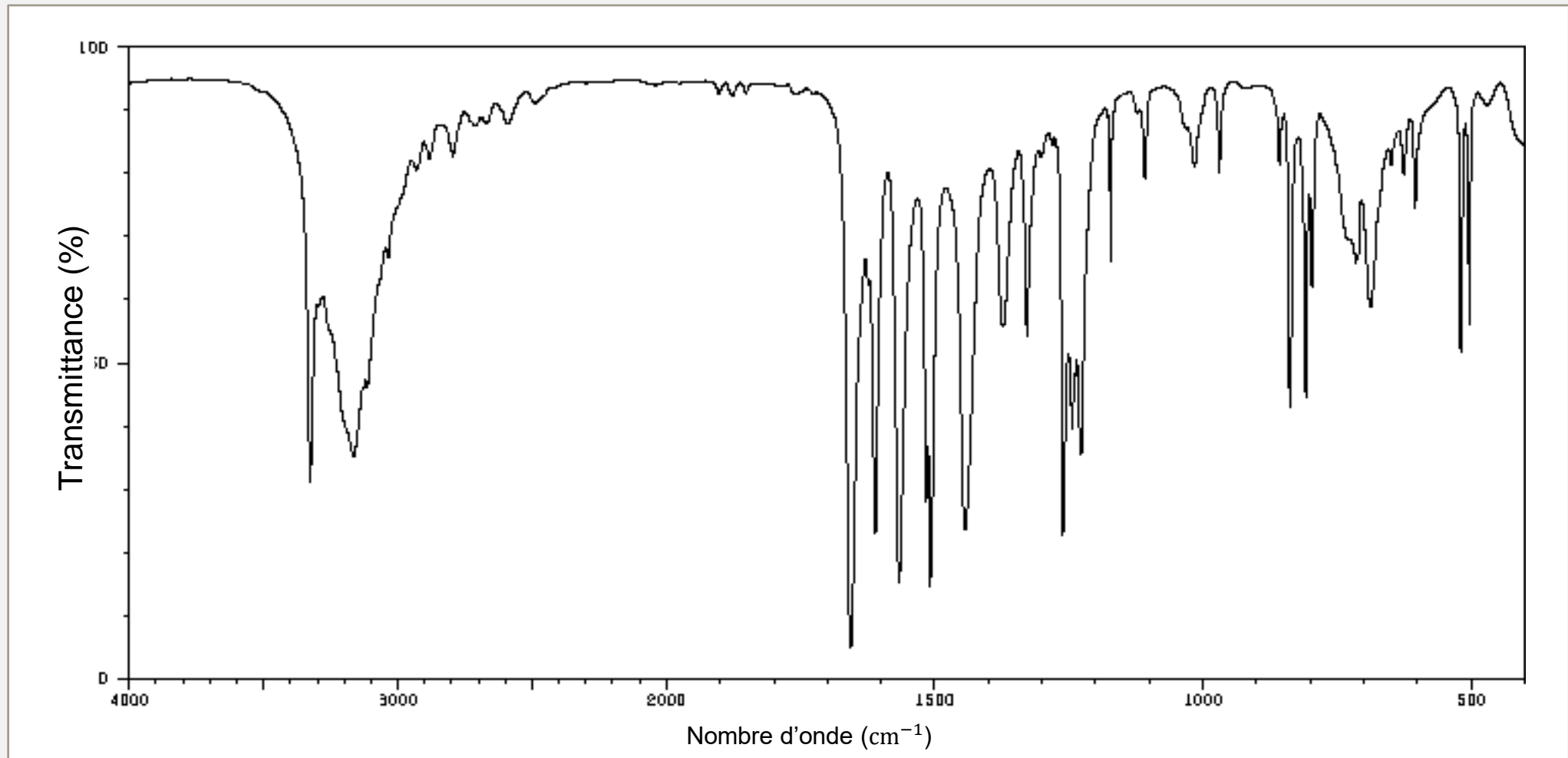


I/ SPECTROSCOPIE UV-VISIBLE



Adapté de https://www.researchgate.net/figure/Structure-and-UV-vis-spectrum-of-indigo-carmin-dye-10-4-M_fig1_279963168

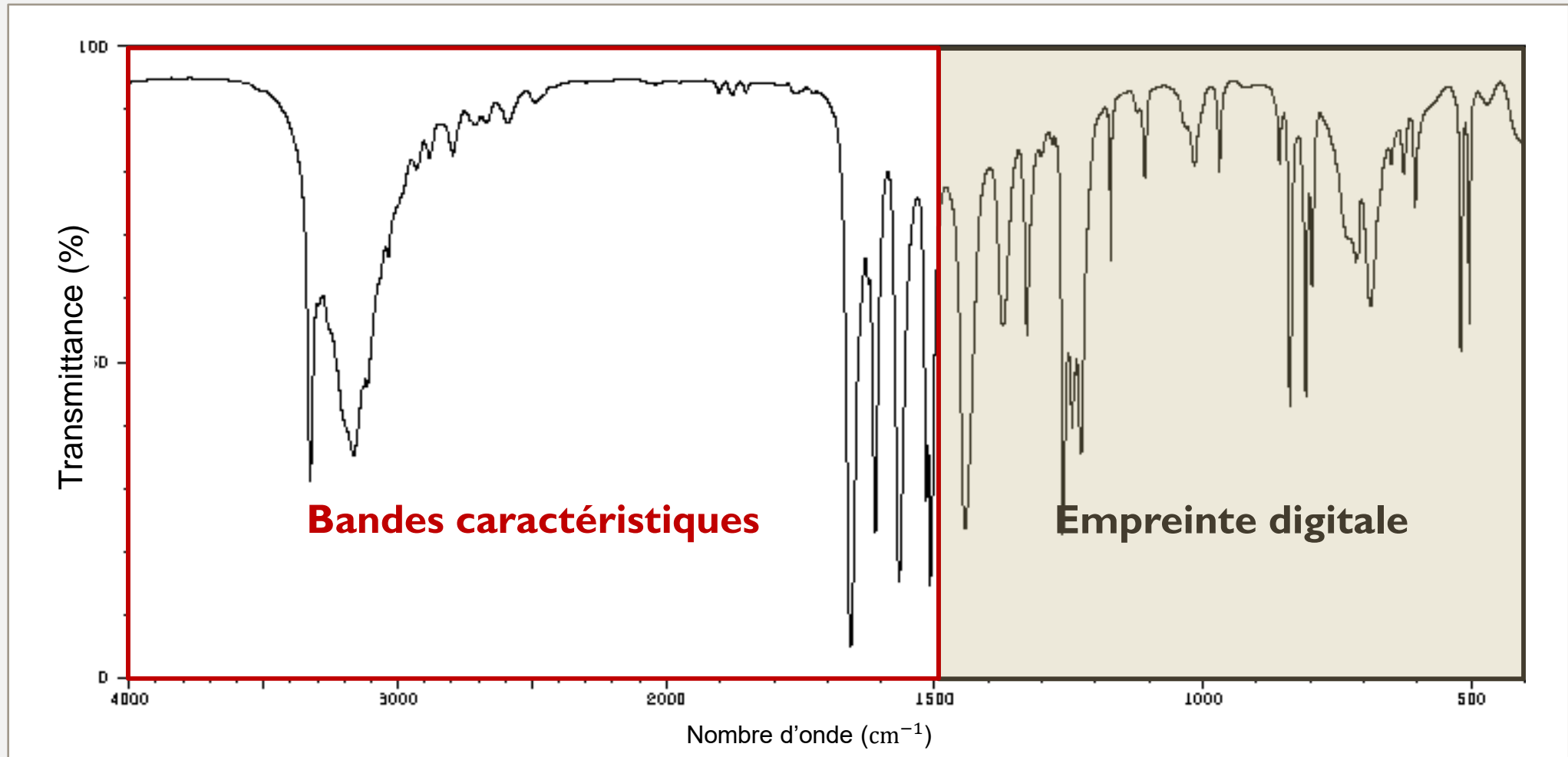
III/ SPECTROSCOPIE INFRAROUGE



Adapté de

http://gerald.vincent.free.fr/fichiers_TS_2012/AEchimie/AE_paracetamol.pdf

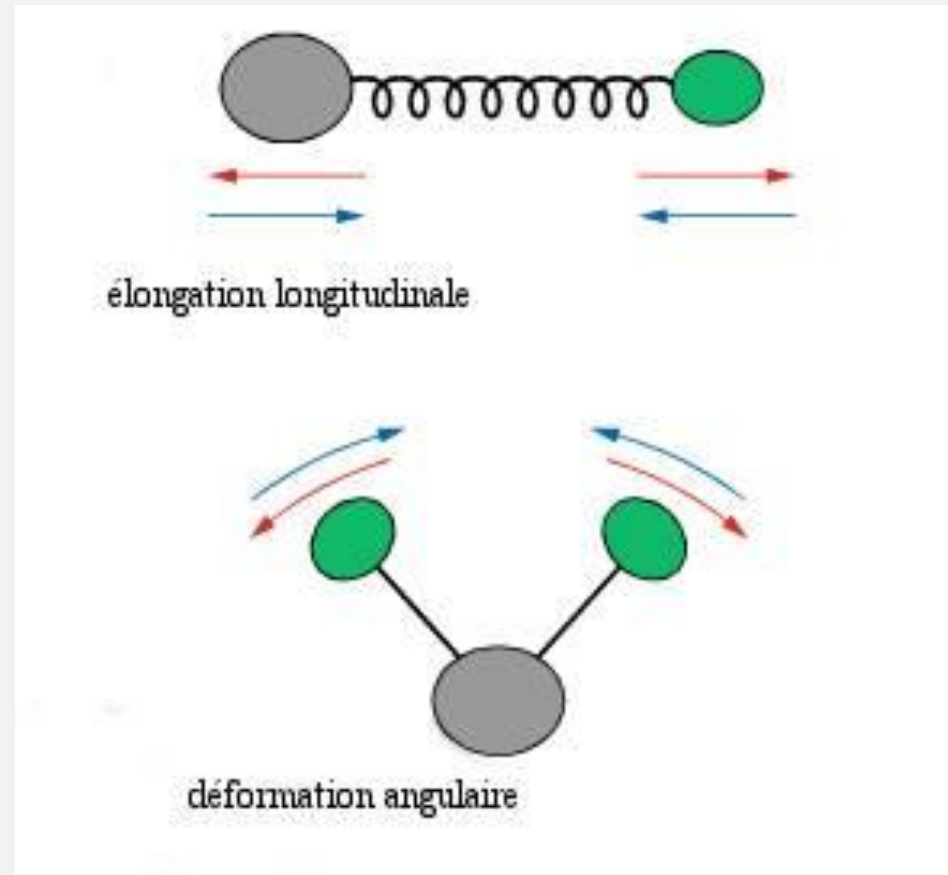
III/ SPECTROSCOPIE INFRAROUGE



Adapté de

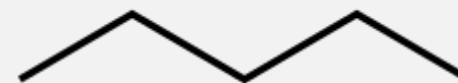
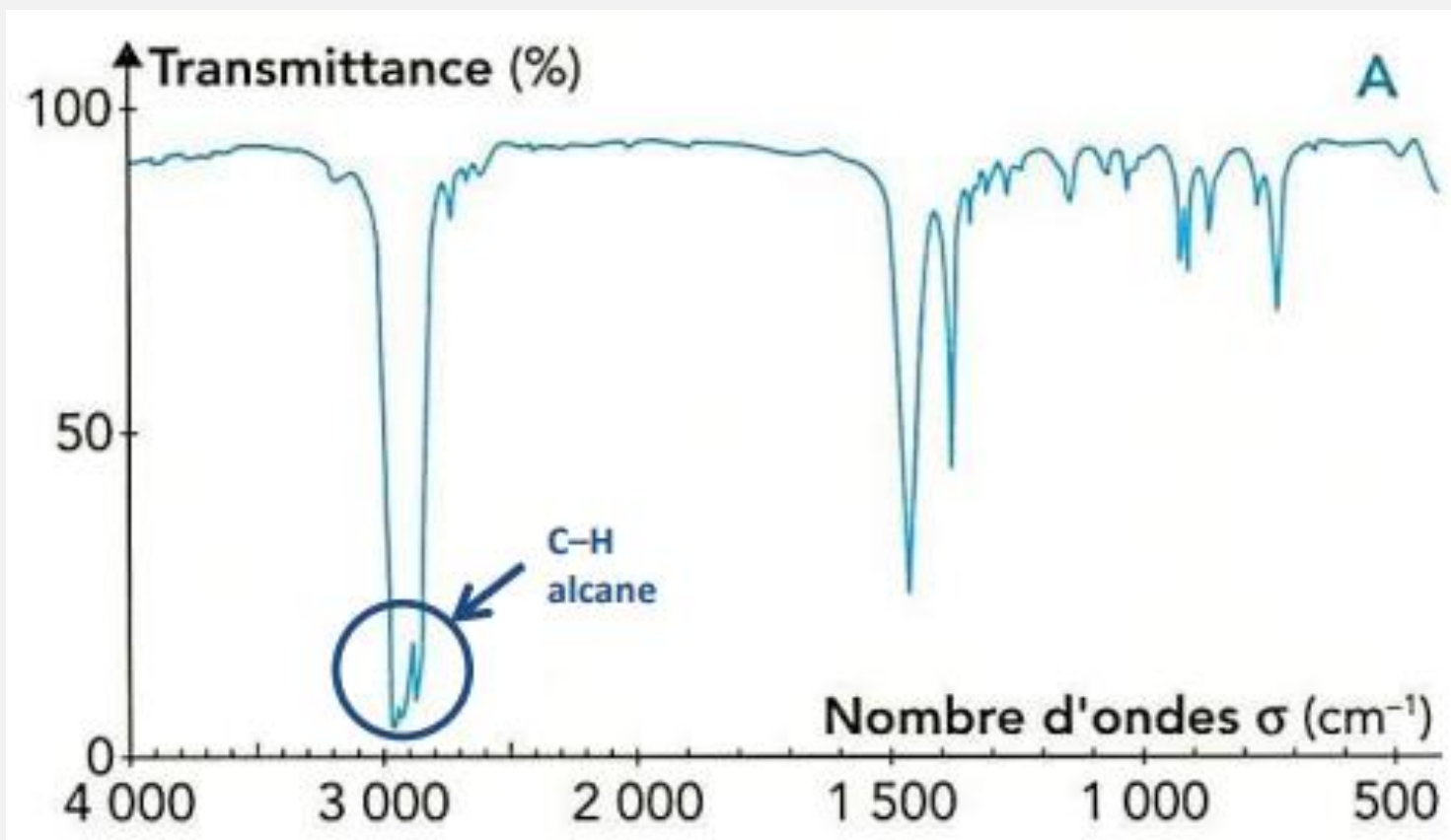
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III/ SPECTROSCOPIE INFRAROUGE

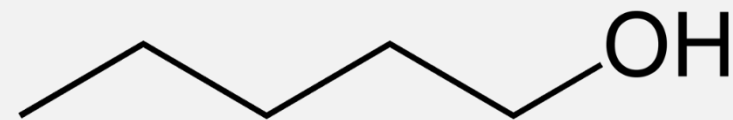
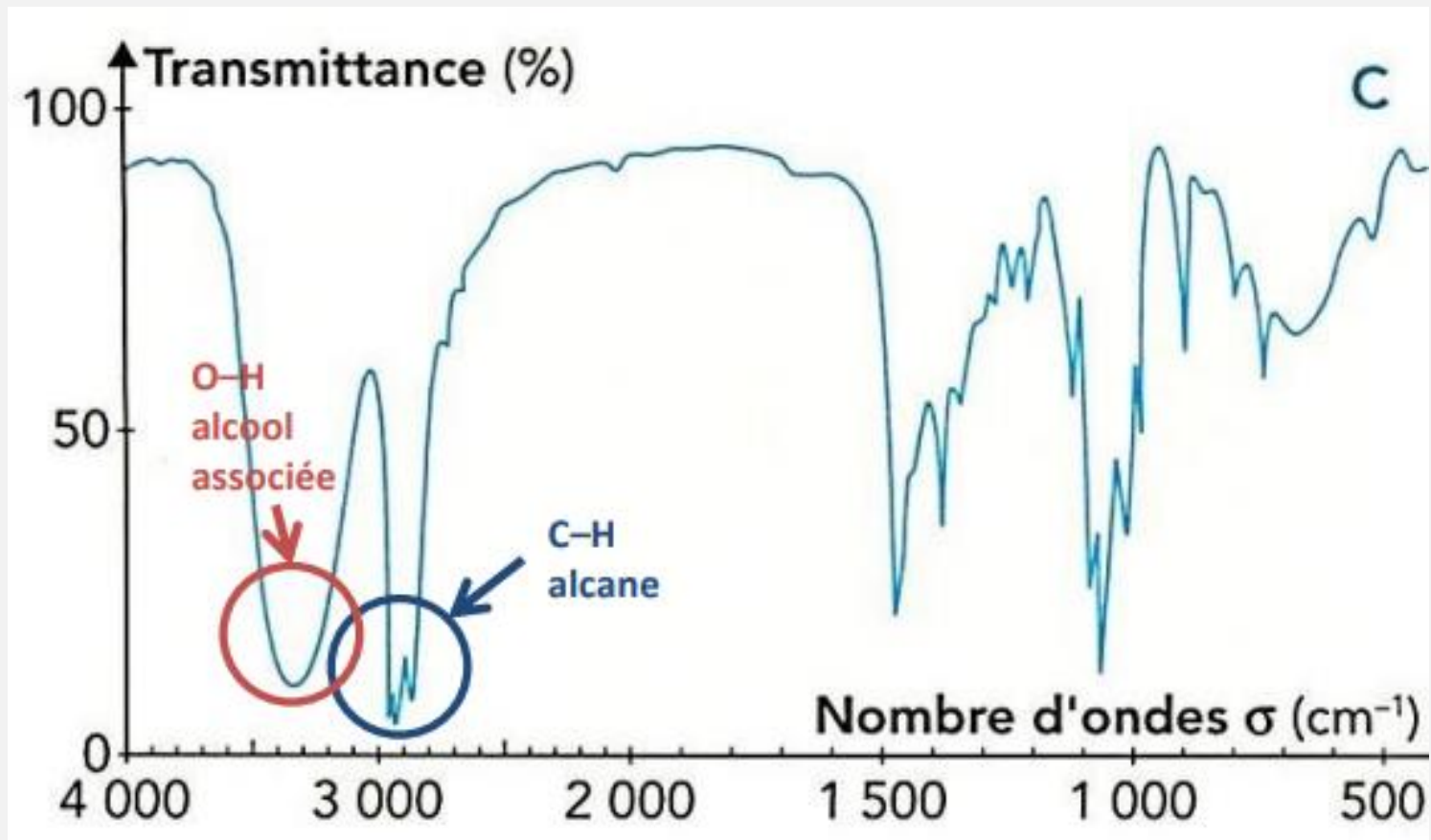


<http://d.ruze.free.fr/chcours2013/quatre/analysespectrale.htm>

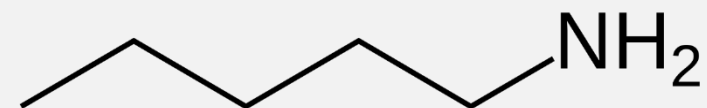
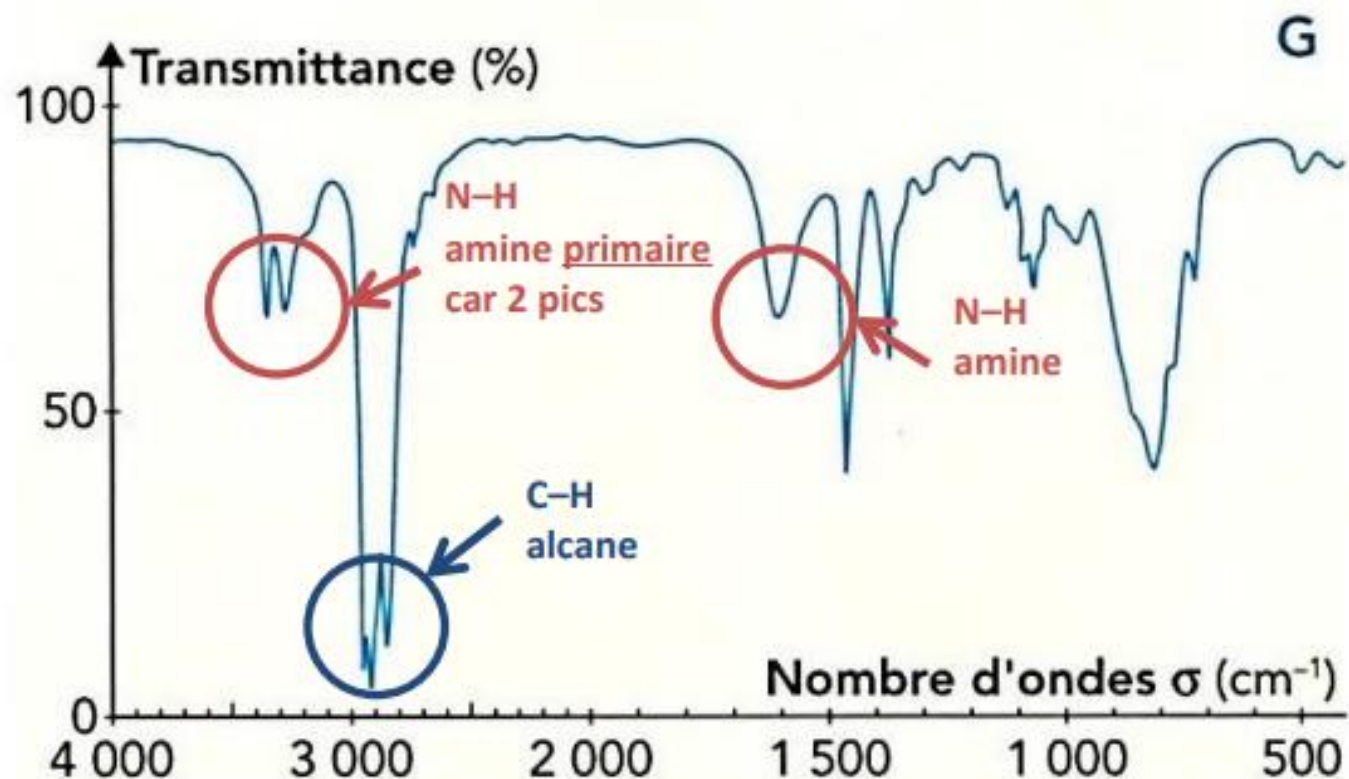
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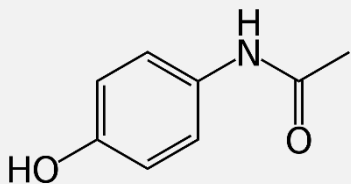


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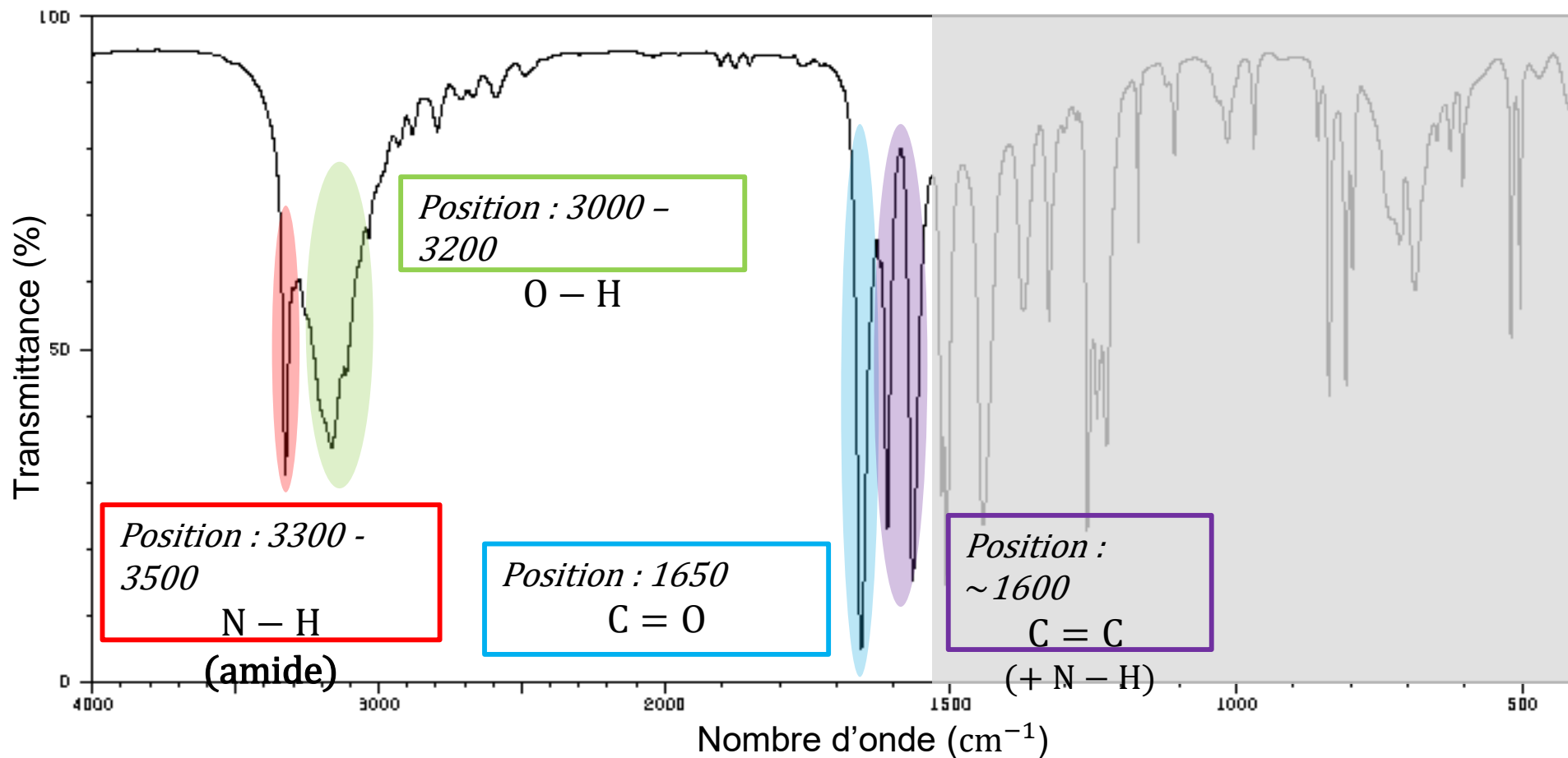


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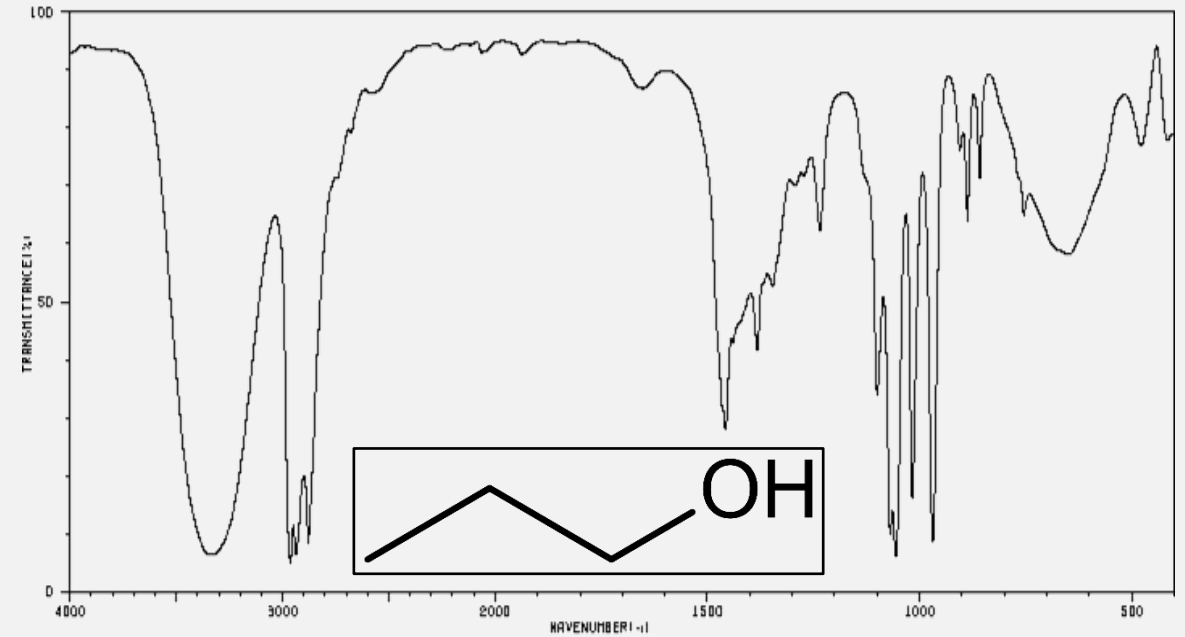
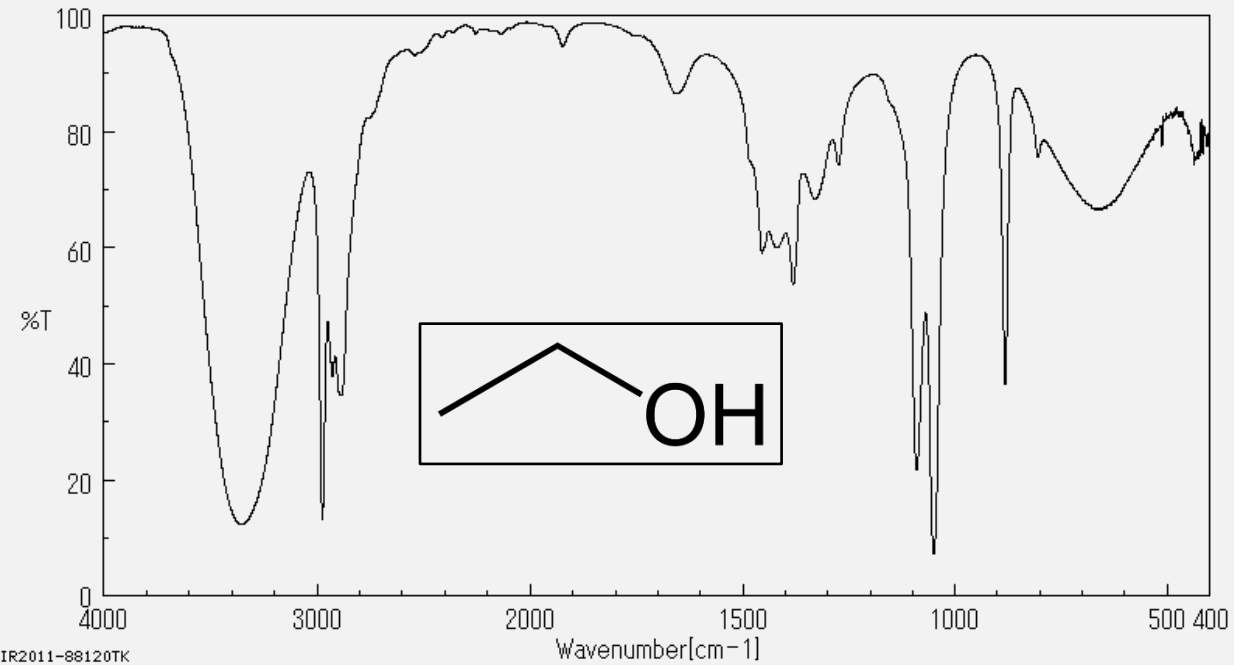
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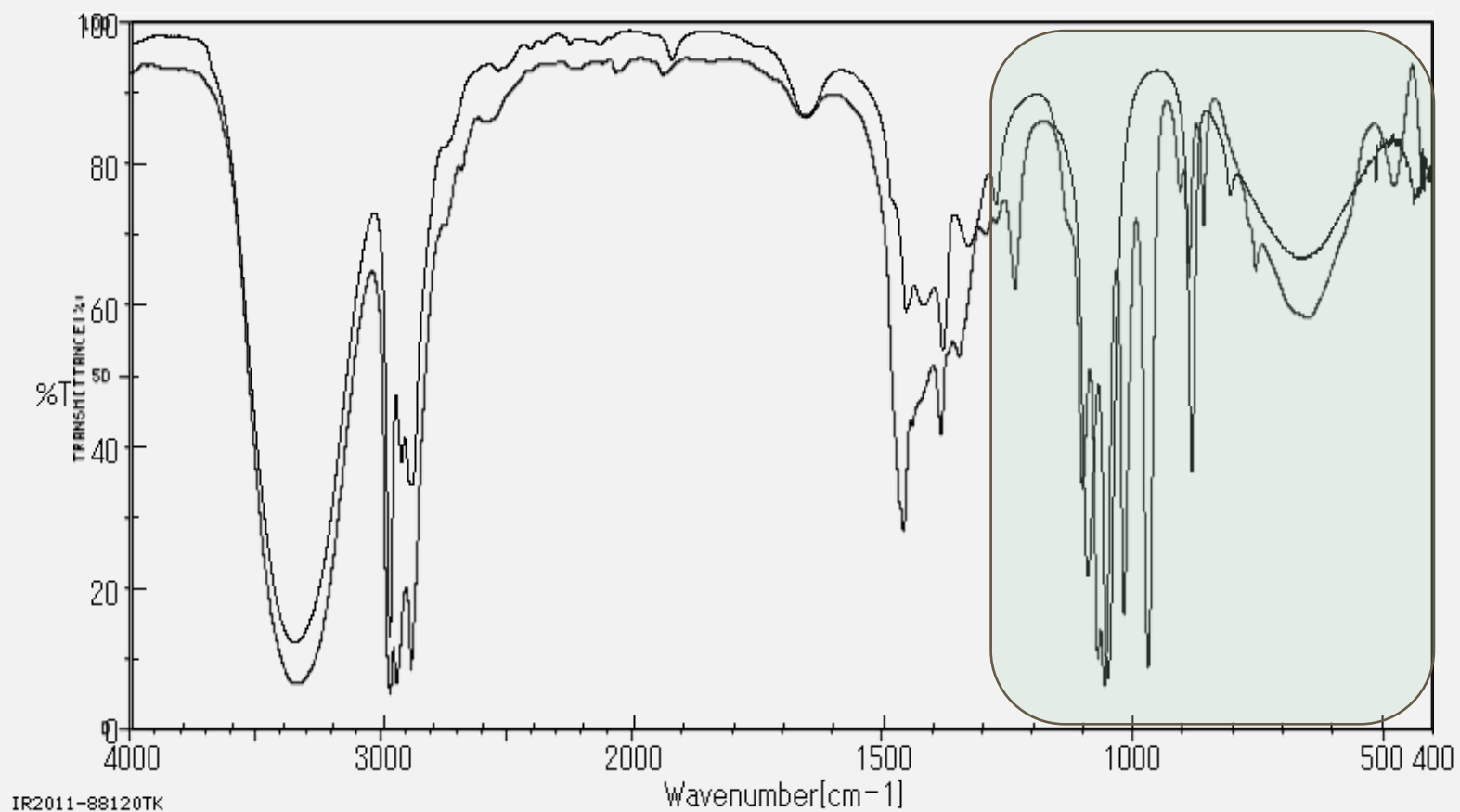
Adapté de

http://gerald.vincent.free.fr/fichiers_TS_2012/AEchimie/AE_paracetamol.pdf

III/ SPECTROSCOPIE INFRAROUGE

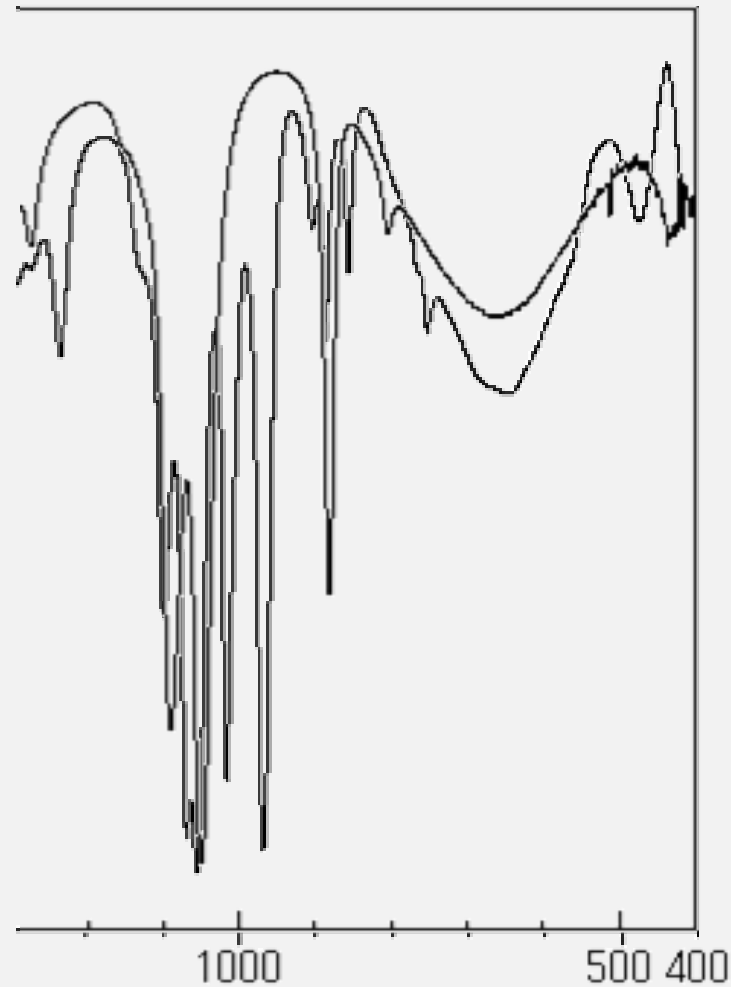


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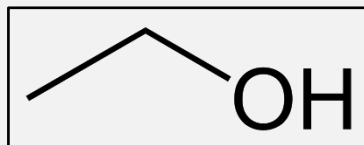
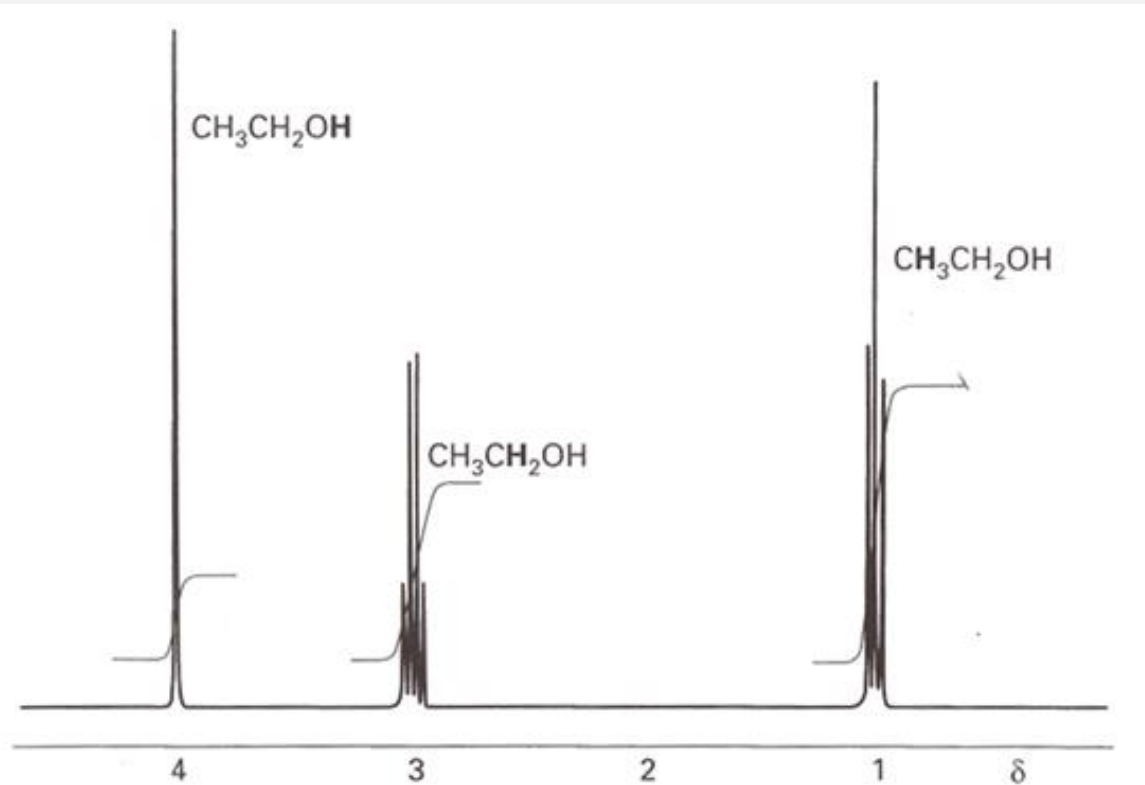


<https://tice.ac-montpellier.fr/ABCDORGA/Famille/exercice/CORREX176.htm>

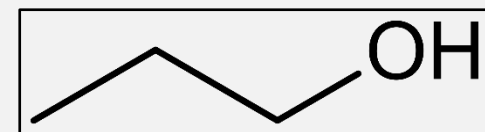
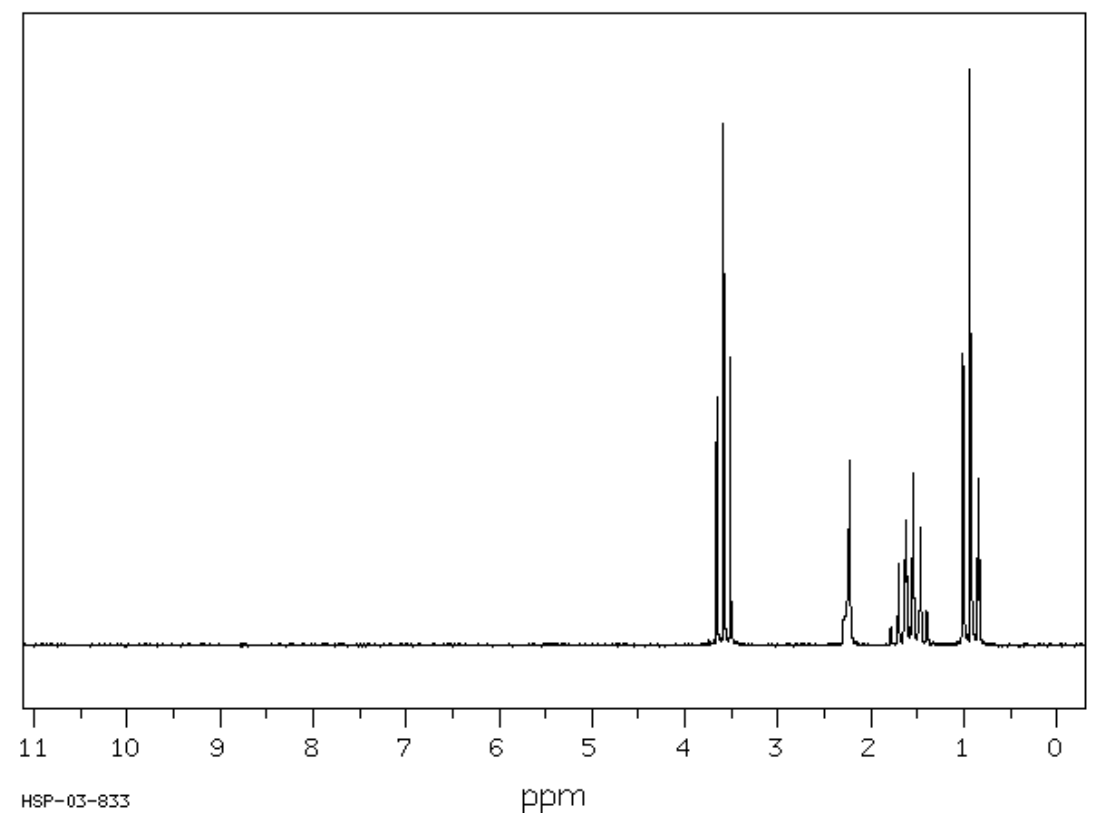
III/ SPECTROSCOPIE INFRAROUGE



RMN ÉTHANOL ET PROPANOL

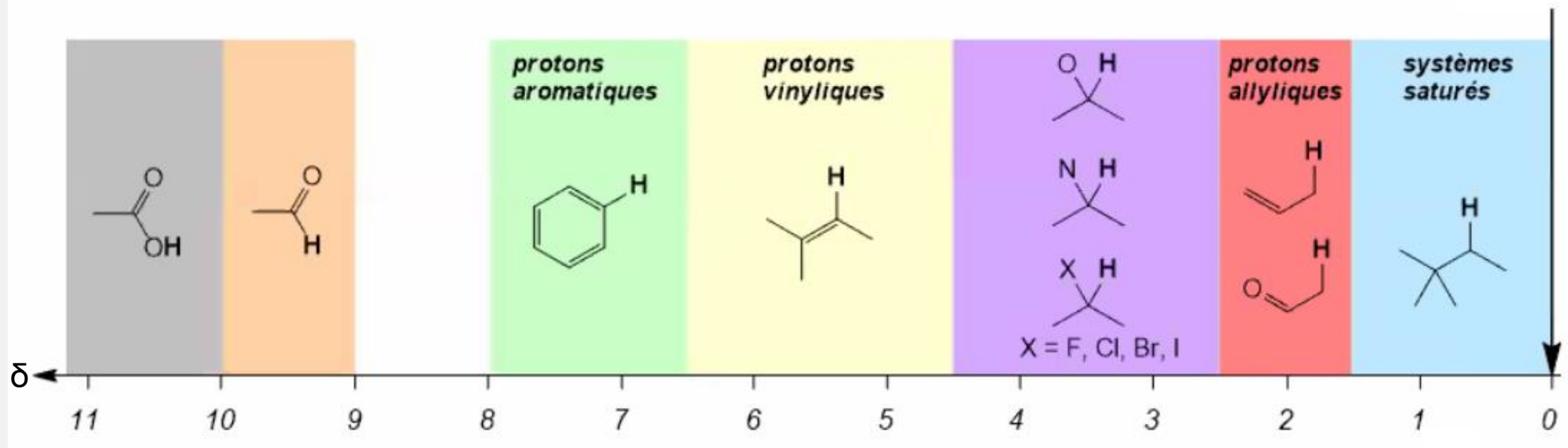


https://www.researchgate.net/figure/The-1-H-NMR-spectrum-of-ethanol-The-bold-letters-denote-the-protons-giving-rise-to-the_fig8_242207137

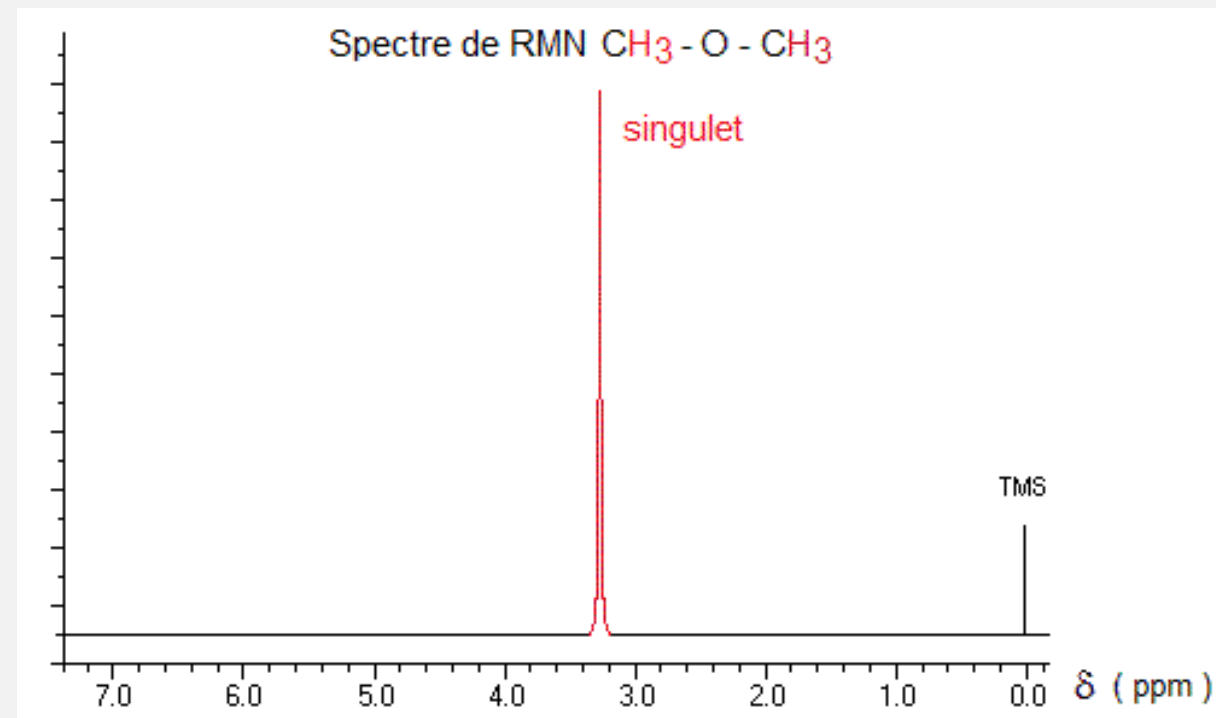
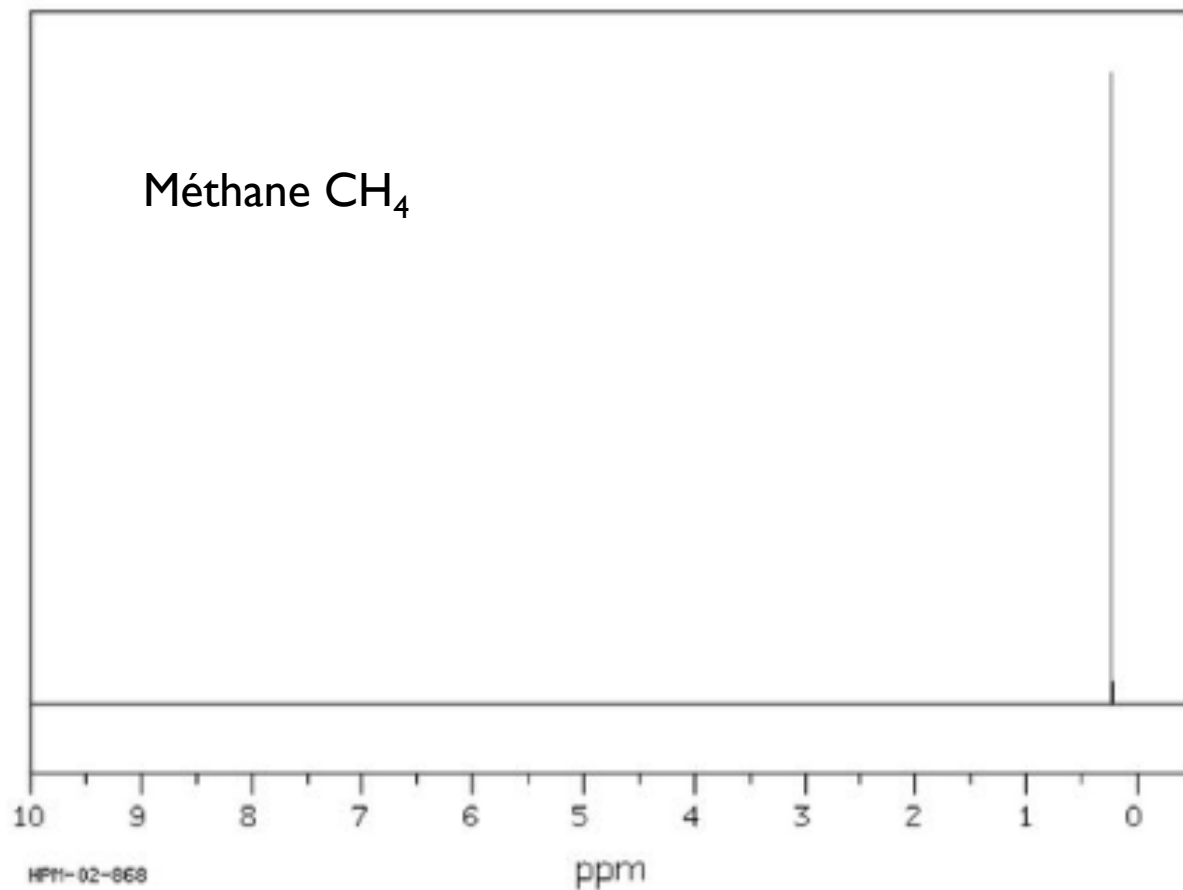


https://www.chemicalbook.com/SpectrumEN_71-23-8_1HNMR.htm

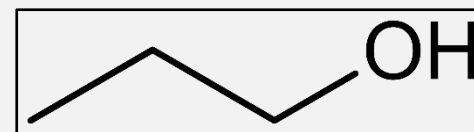
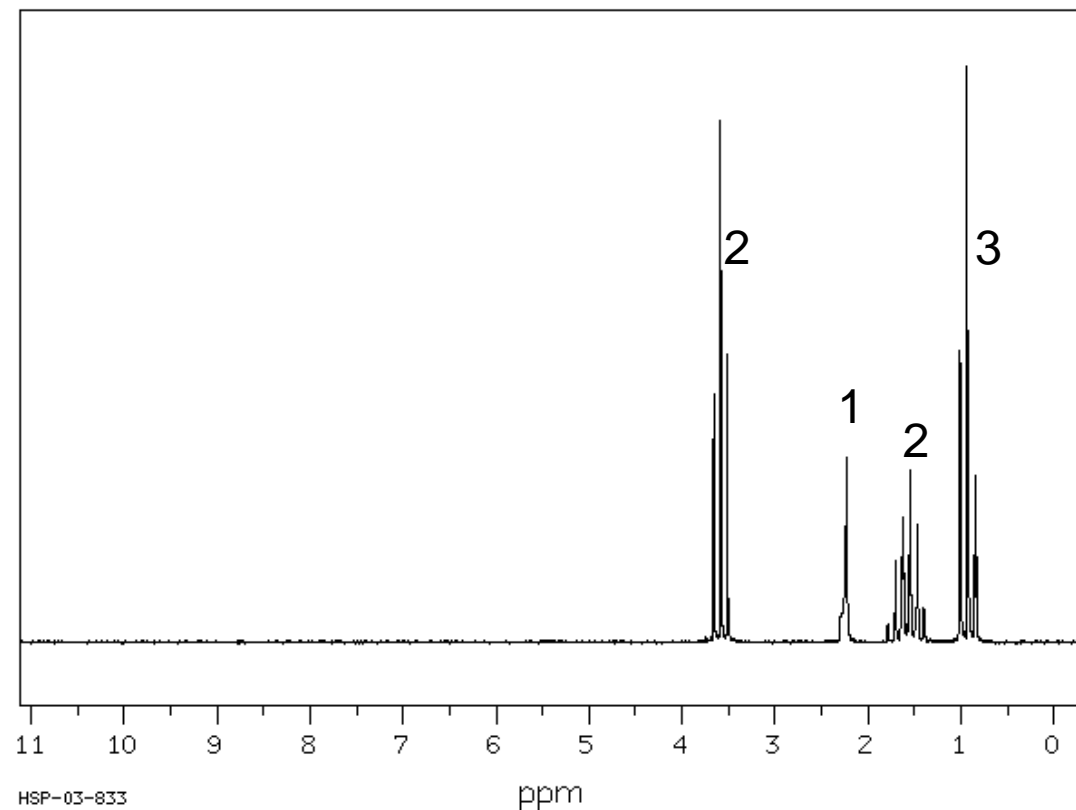
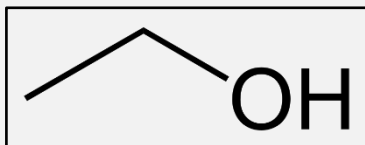
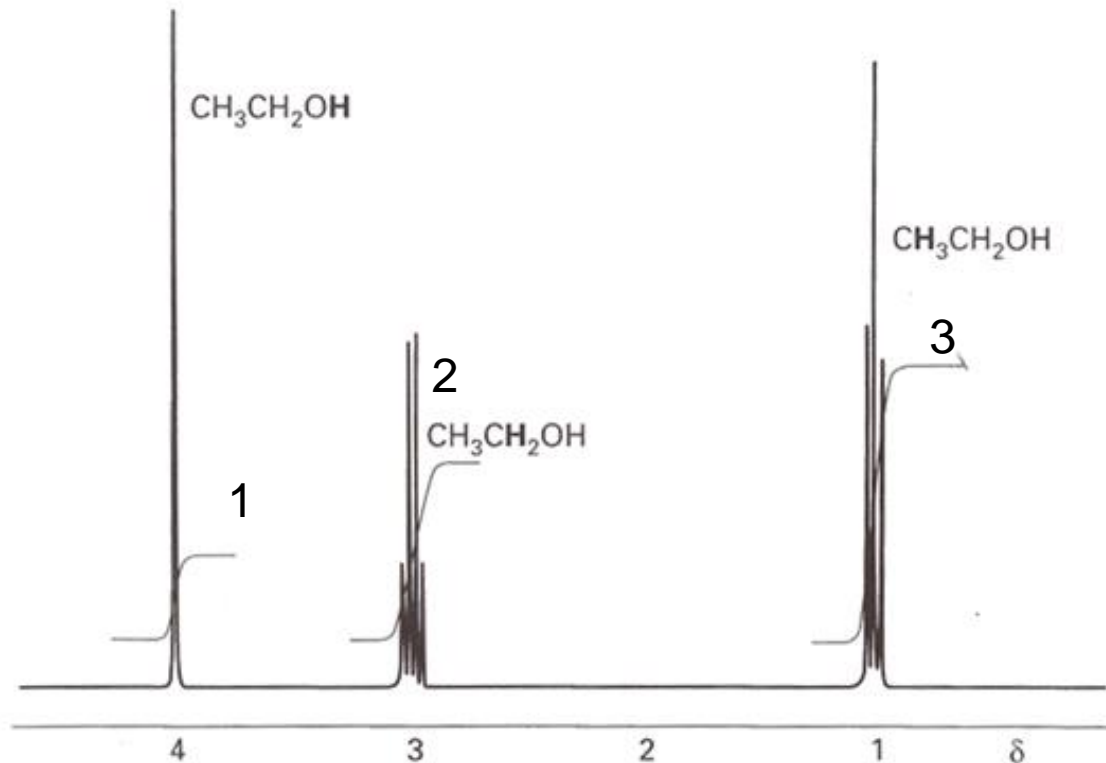
III/ SPECTROSCOPIE RMN



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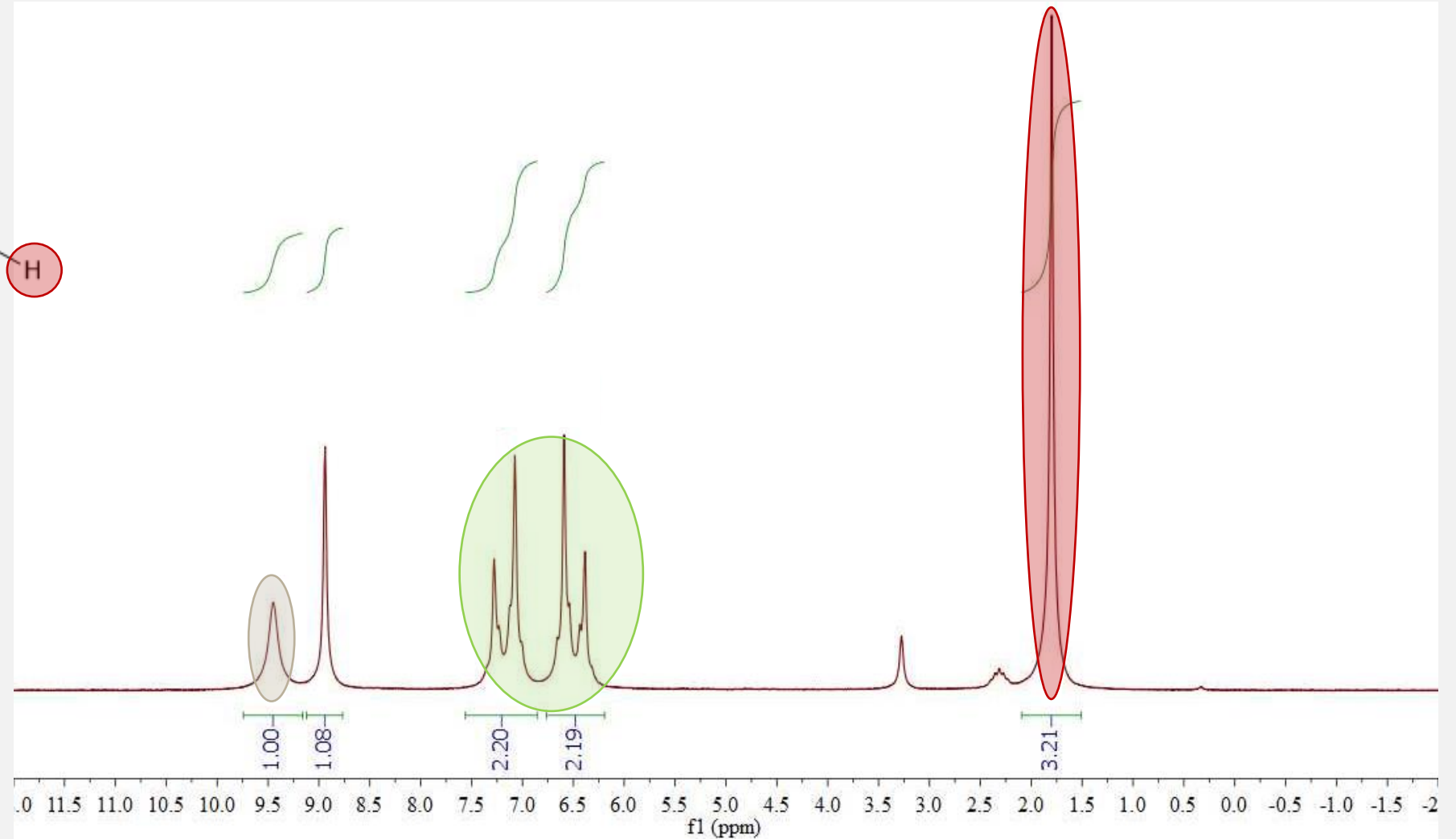
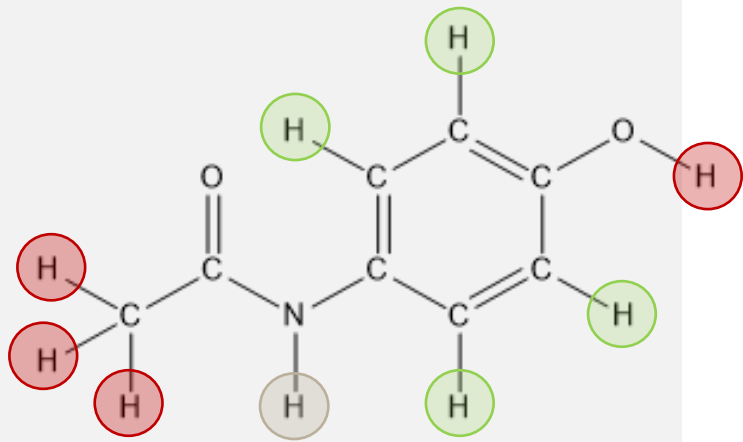


RMN ÉTHANOL ET PROPANOL



III/ SPECTROSCOPIE RMN

ATTRIBUTION DES PICS DU SPECTRE DU PARACETAMOL



<https://www.magritek.com/products/spinsolve/nmr-spectra-examples/paracetamol-1h/>

RECAPITULATIF

Type de Spectroscopie	Transition en jeu	Informations	Limites
UV-Visible	Electronique	Couleurs	Molécules colorées
IR	Vibrationnelle	Groupes fonctionnels	Pas d'information sur l'organisation spatiale
RMN	Transfert de protons d'un niveau d'énergie à un autre	Agencement spatial des protons	Observe que les atomes d'hydrogène