

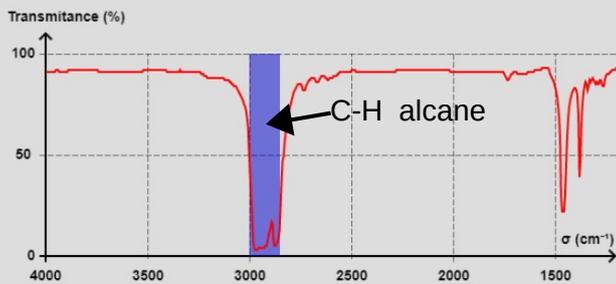
1. Classer les molécules en familles de 4 molécules. Donner le groupe caractéristique et le nom de chaque famille.
2. À quel domaine de longueurs d'ondes, exprimées en mètre, correspond le rayonnement infrarouge ? Vérifier qu'il s'agit bien ici d'un spectre IR.
3. À l'aide de l'animation : <http://chimie.ostralo.net/spectreIR/>, déterminer la ou les bandes caractéristiques de nombre d'onde σ (en cm^{-1}) pour chaque famille chimique.
4. Pour chaque molécule, indiquer la ou les bandes caractéristiques de la molécule étudiée
5. À l'aide de l'animation, compléter les captures d'écrans au dos en suivant l'exemple de la première.
6. Classer en deux groupes (molécules linéaires et molécules ramifiées) les molécules.

molécules linéaires

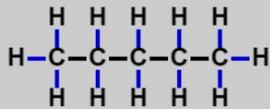
molécules ramifiées

7. Nommer les molécules.

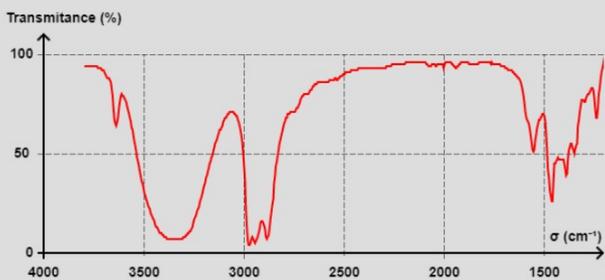
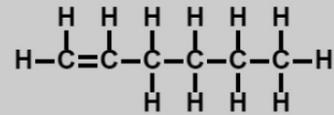
a.	k.
b.	l.
c.	m.
d.	n.
e.	o.
f.	p.
g.	q.
h.	r.
i.	s.
j.	t.



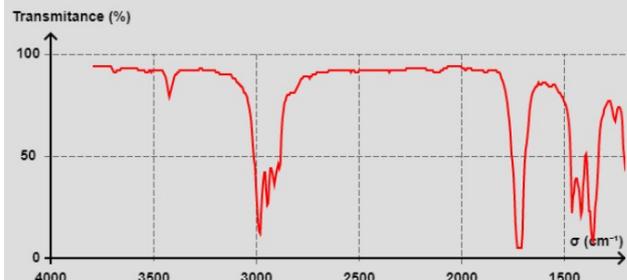
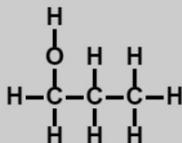
Formule développée



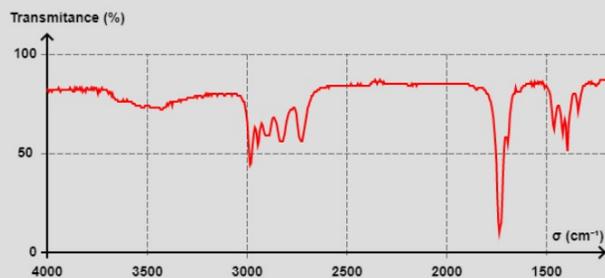
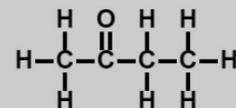
Formule développée



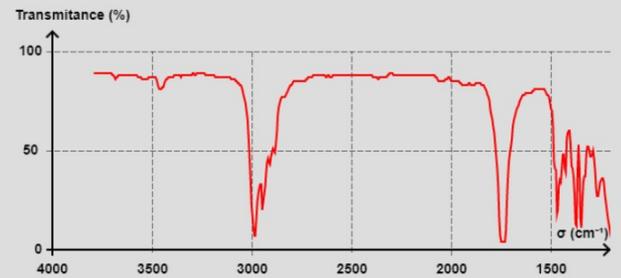
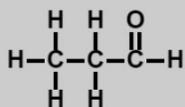
Formule développée



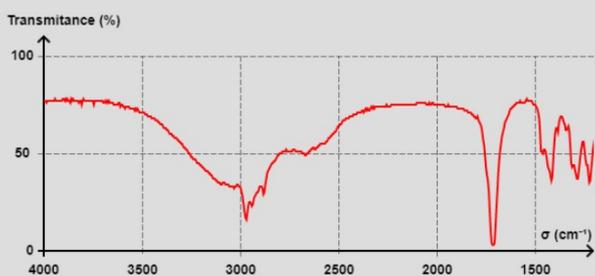
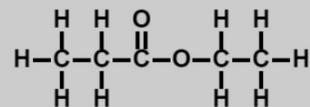
Formule développée



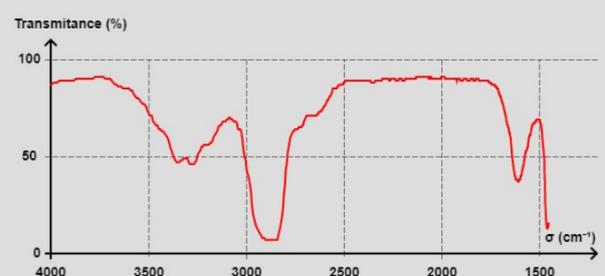
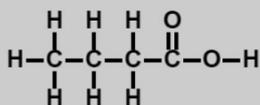
Formule développée



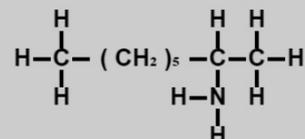
Formule développée



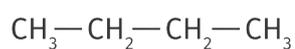
Formule développée



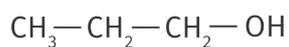
Formule développée



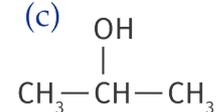
(a)



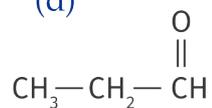
(b)



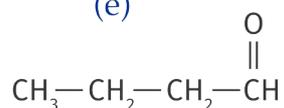
(c)



(d)



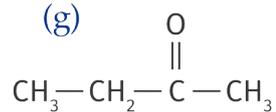
(e)



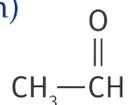
(f)



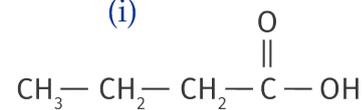
(g)



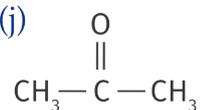
(h)



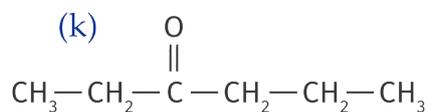
(i)



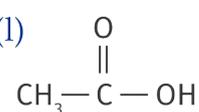
(j)



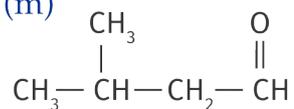
(k)



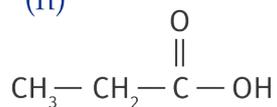
(l)



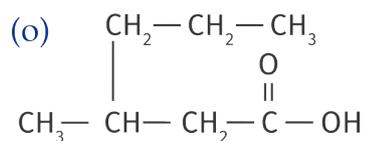
(m)



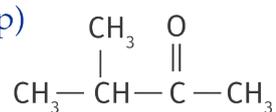
(n)



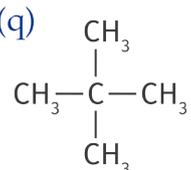
(o)



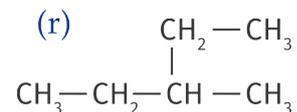
(p)



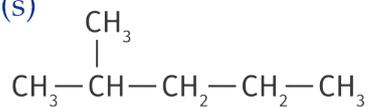
(q)



(r)



(s)



(t)

