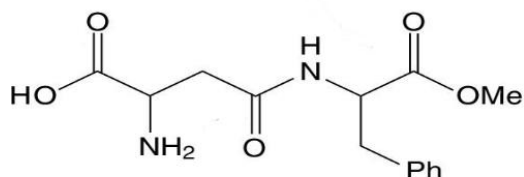
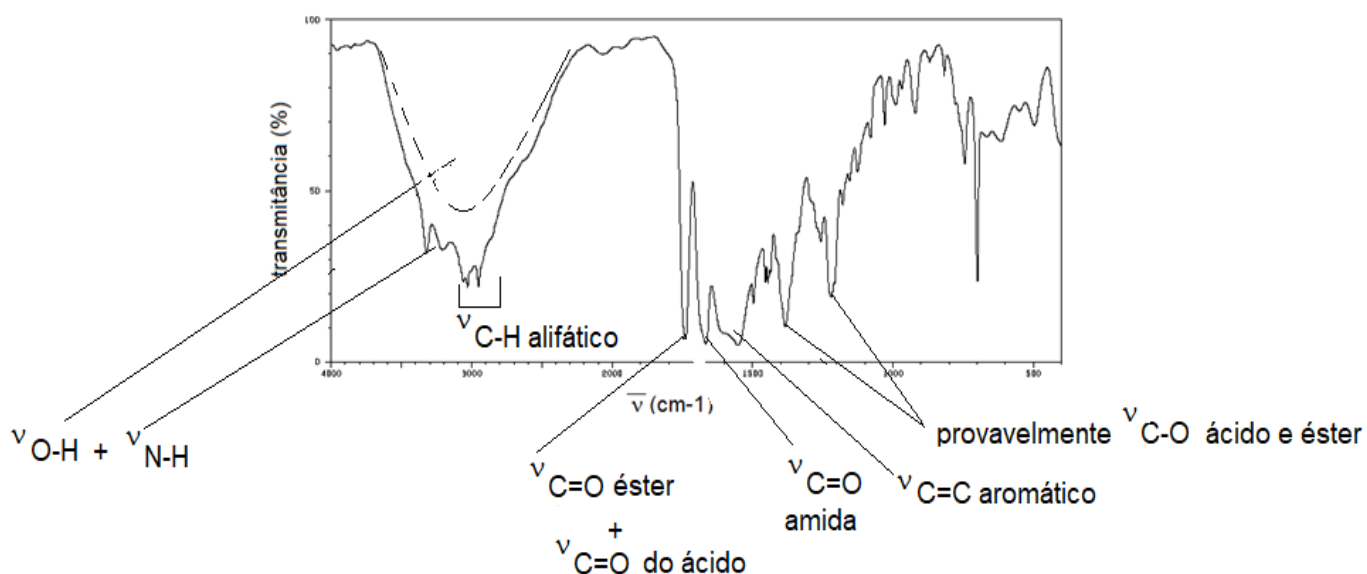


O adoçante aspartame tem a seguinte fórmula estrutural:



Dado o seu espectro no infravermelho, atribua as frequências características dos modos vibracionais de cada grupo funcional.

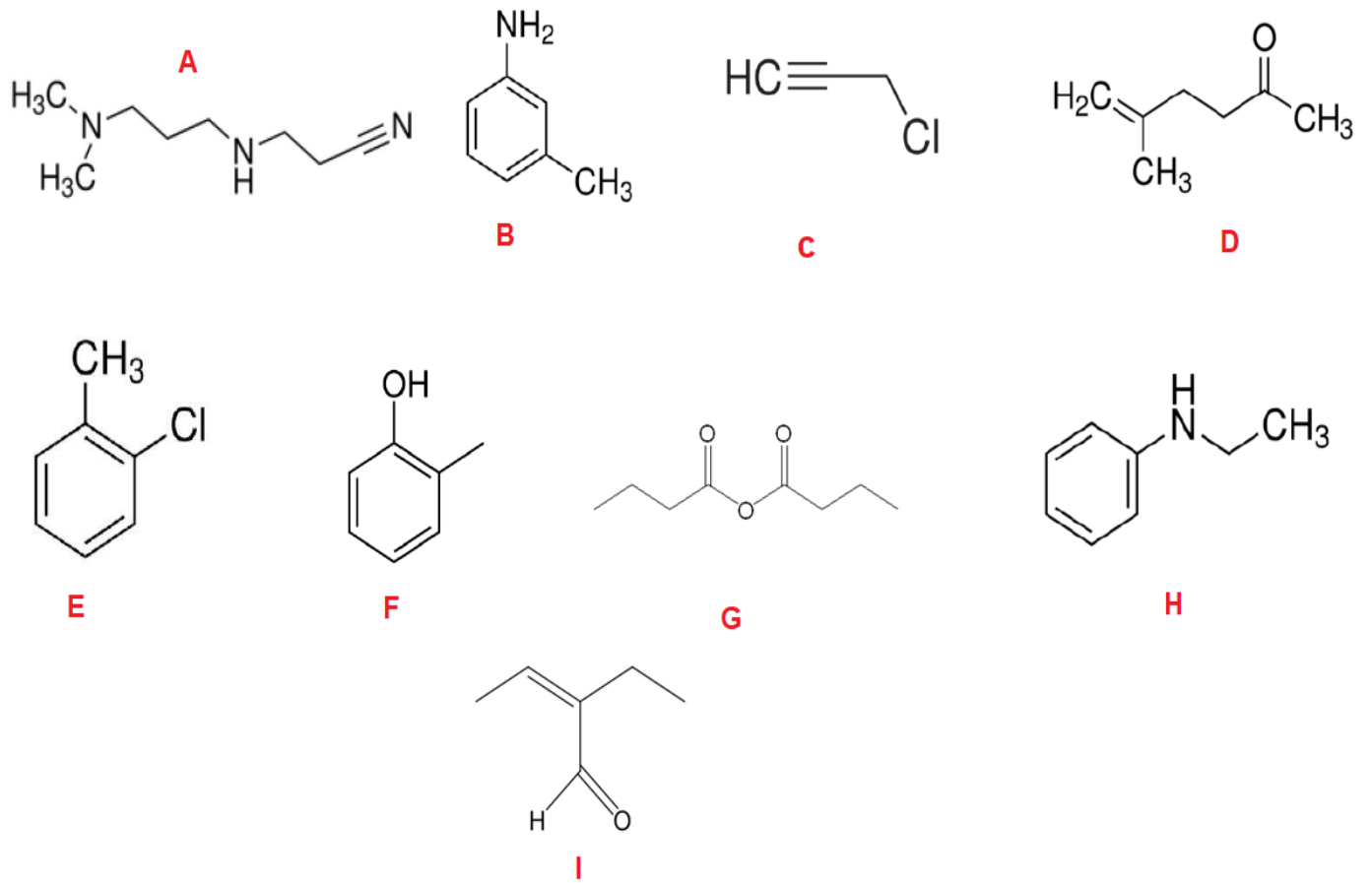


- 1) Relacione os compostos apresentados na próxima página, com os espectros no infravermelho. Para decidir qual composto se refere a cada espectro, recorde as frequências de estiramento características de cada grupo funcional e, quando necessário, considere também as deformações angulares (bending, wagging etc).

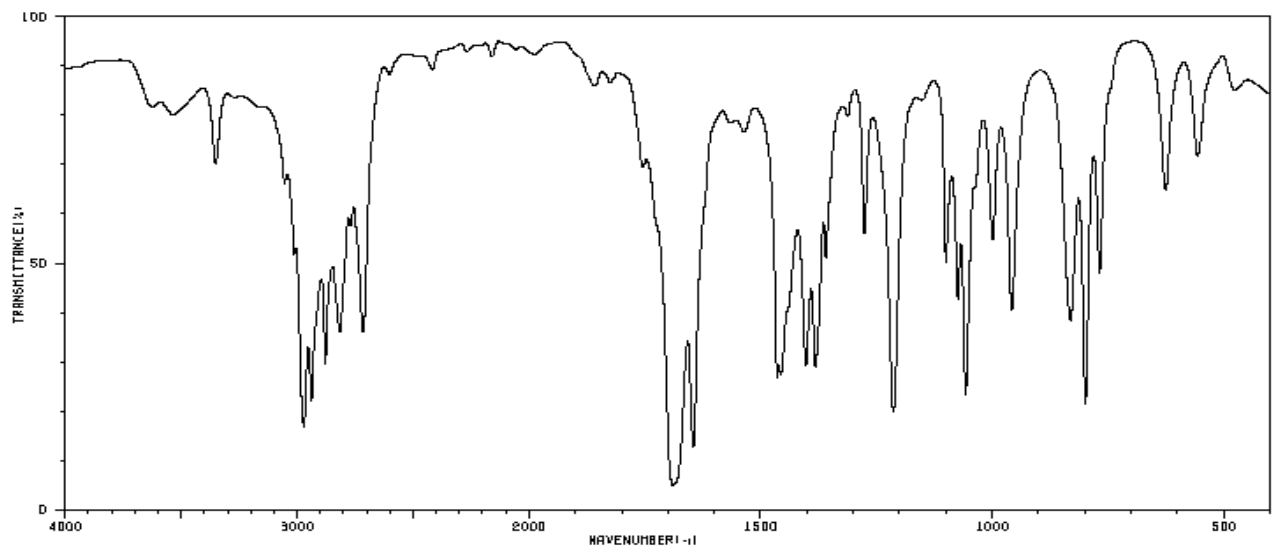
Para auxiliar nesta tarefa, acesse o site

[https://www.cpp.edu/~psbeauchamp/pdf/spec\\_ir\\_nmr\\_spectra\\_tables.pdf](https://www.cpp.edu/~psbeauchamp/pdf/spec_ir_nmr_spectra_tables.pdf)

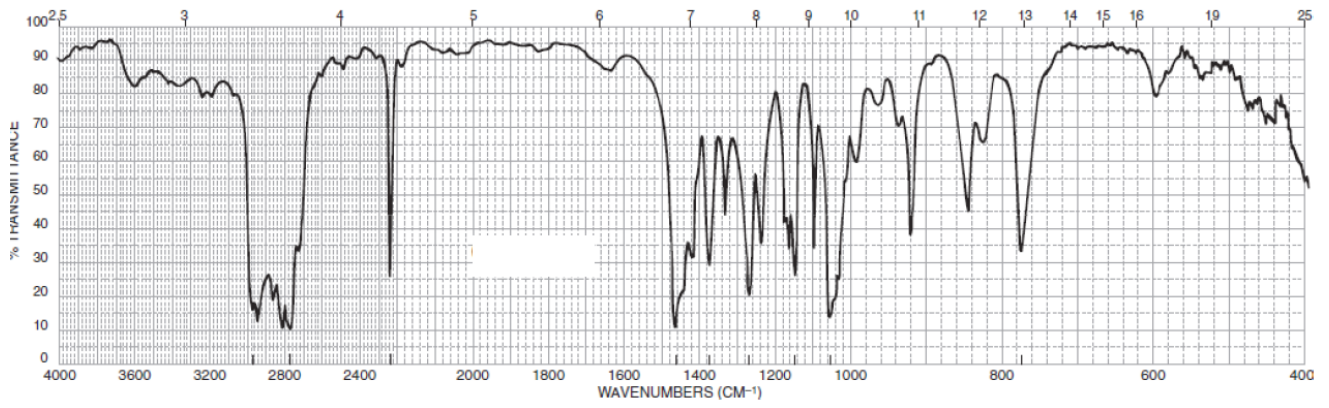
que traz excelentes tabelas.



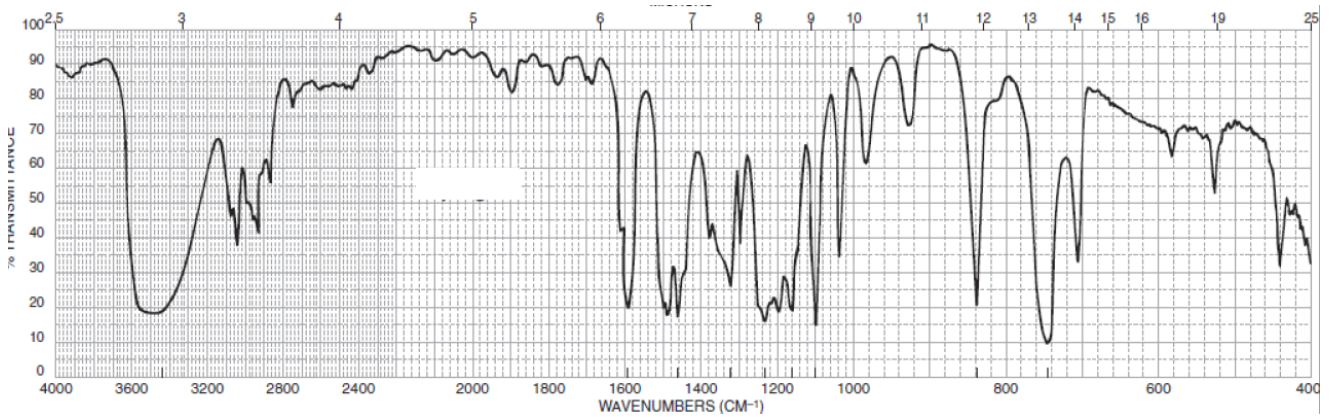
Composto I



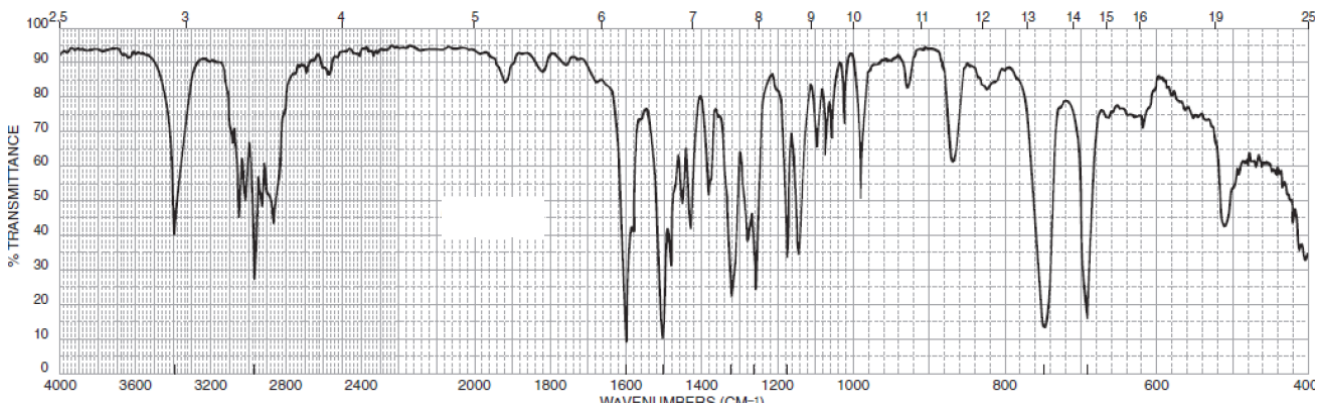
## Composto A



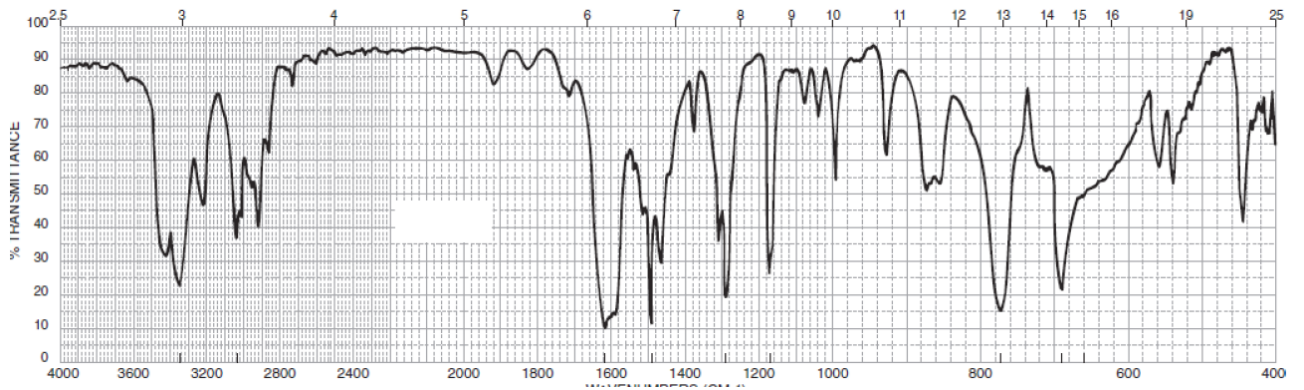
## Composto F



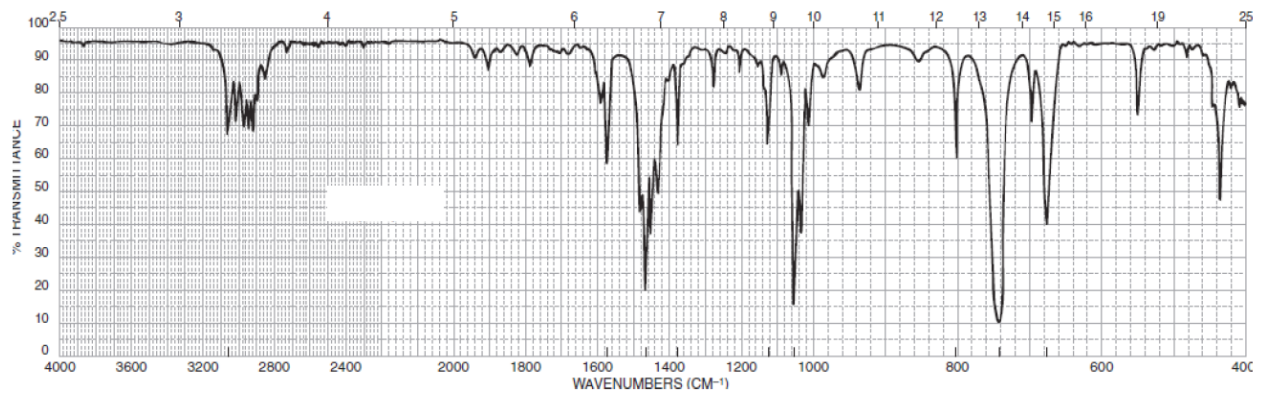
## Composto H



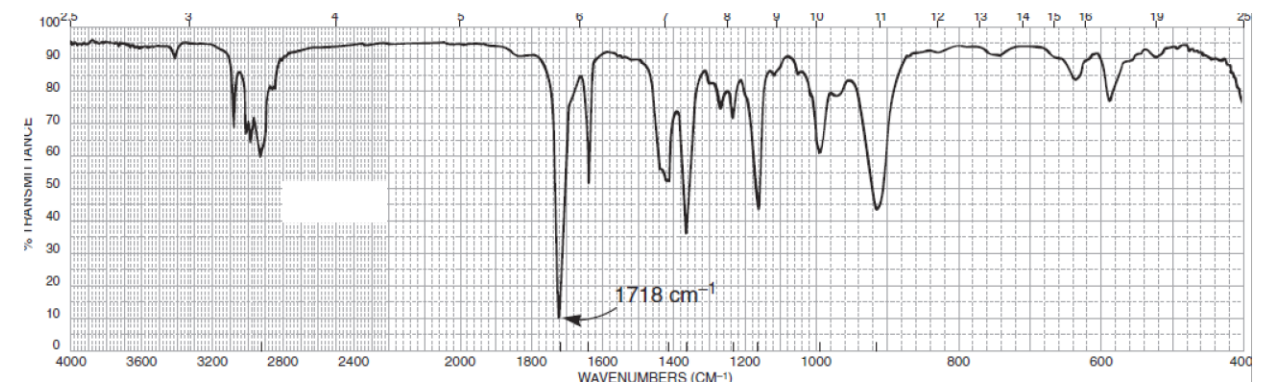
## Composto B



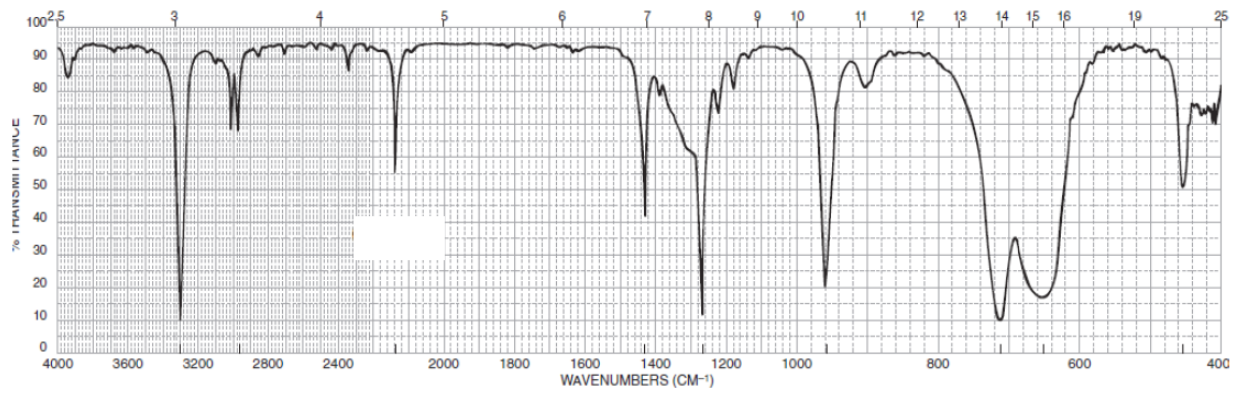
## Composto E



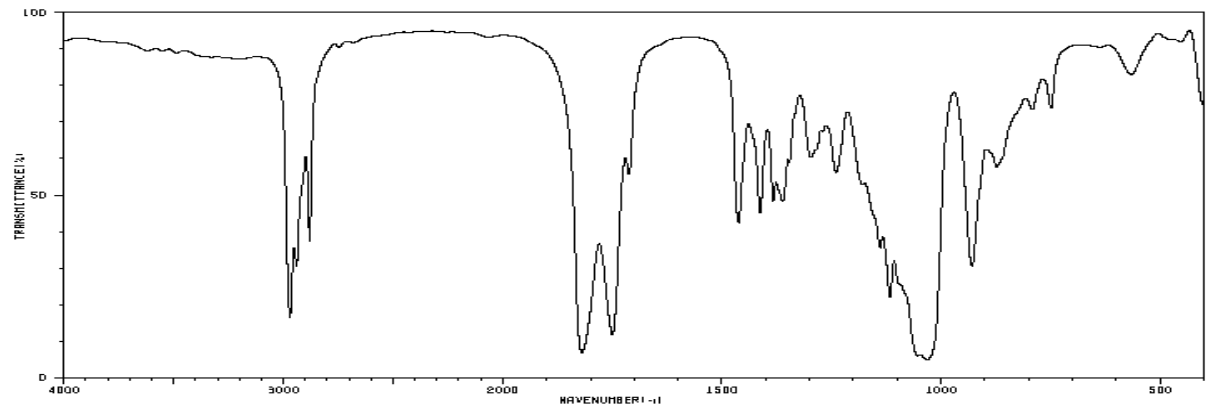
## Composto D



## Composto C



## Composto G



Se você acertou a maioria, PARABÉNS!