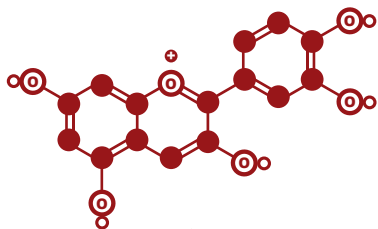


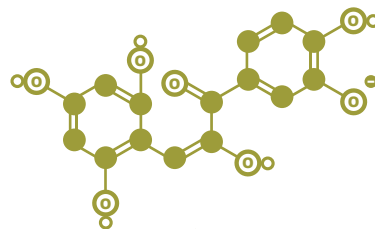
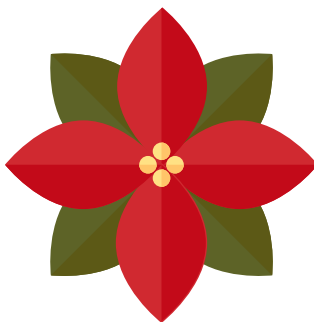
# CHEMISTRY ADVENT 2015

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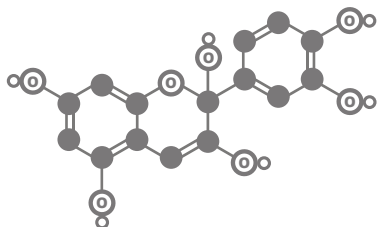
## POINSETTIA PLANT INDICATOR



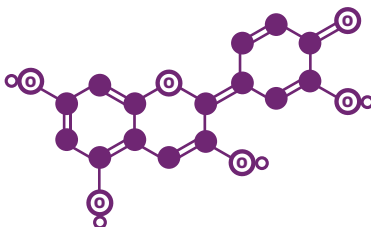
RED (AT pH <3)



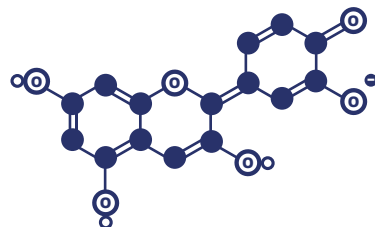
YELLOW GREEN (AT pH >8)



COLOURLESS (AT pH 3-4)



VIOLET (AT pH 4-7)



BLUE (AT pH 7-8)

● Carbon    ⊙ Oxygen    ○ Hydrogen    *Hydrogens on carbon atoms implied; each carbon has 4 bonds.*

Wondering what to do with poinsettia plants once Christmas is over? Why not turn them into pH indicators! The anthocyanin compounds that give the leaves their red colour can be extracted by boiling the leaves in water. This extract will change colour in solutions of different acidities or alkalinities, as shown above.



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