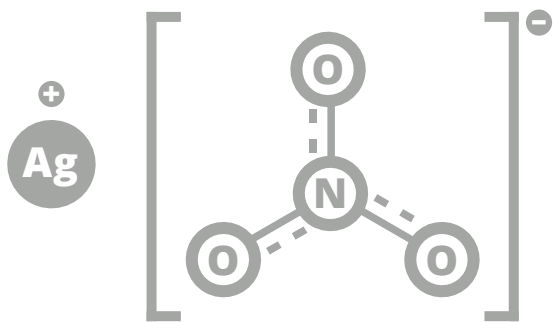


# CHEMISTRY ADVENT 2016

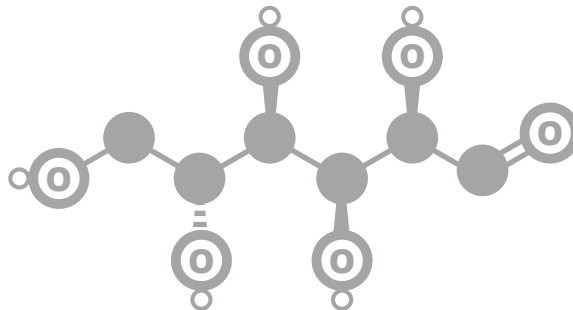
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## SILVER BAUBLES

Silver baubles for hanging on Christmas trees are traditionally silvered using silver nitrate solution. This is added to the inside of the bauble, followed by concentrated ammonia solution. A glucose solution is then added, which causes the reduction of the silver ions to silver metal, producing a shiny silver coating on the inside of the bauble.



SILVER NITRATE



GLUCOSE

Ag Silver    C Carbon    O Oxygen    N Nitrogen    H Hydrogen

*Hydrogens on carbon atoms implied; each carbon has 4 bonds.*



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