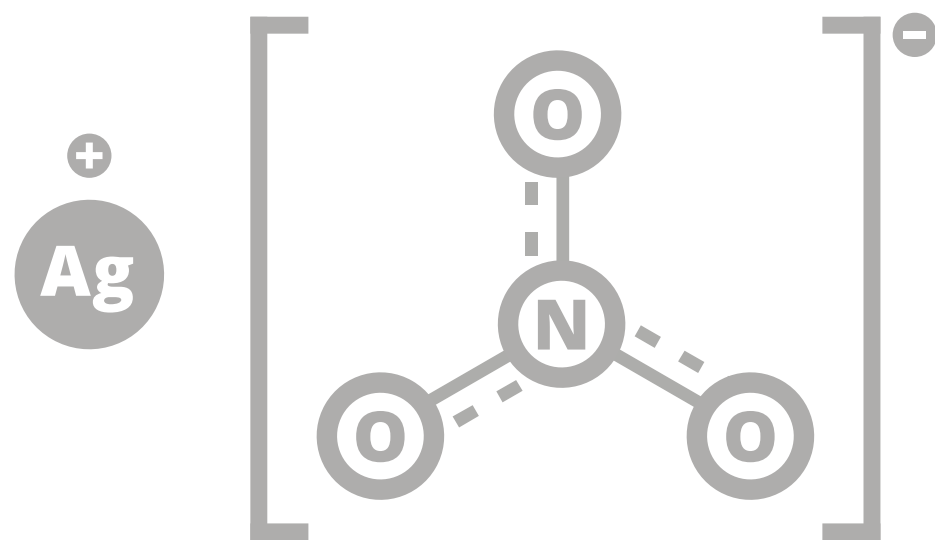


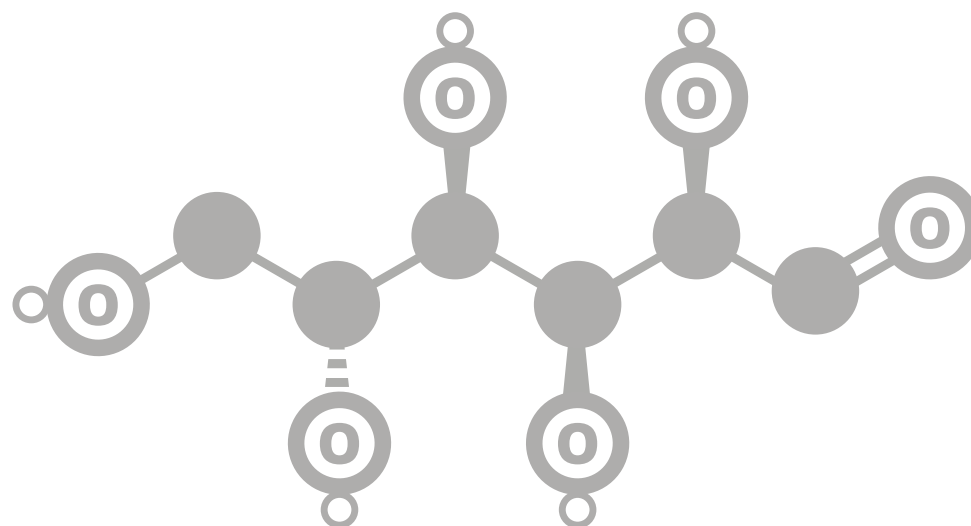
CHEMISTRY ADVENT 9

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.

