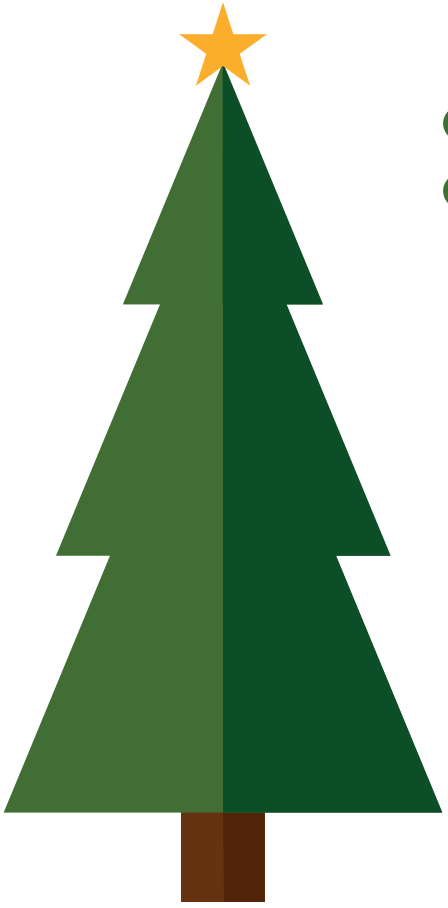
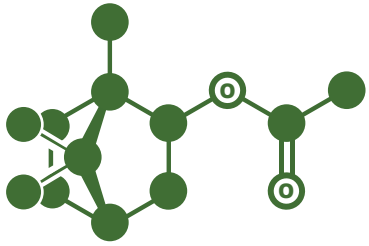
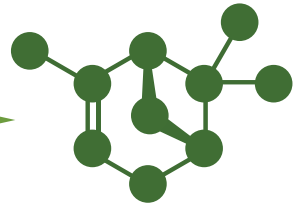
# CHEMISTRY ADVENT 2017 2

## CHRISTMAS TREE AROMA

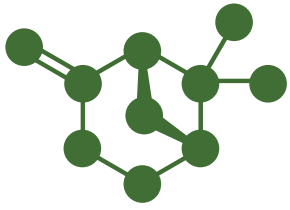




BORNYL ACETATE



ALPHA-PINENE



BETA-PINENE

Carbon Oxygen

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

Several molecules contribute to the aroma of Christmas trees. A key compound is pinene, which exists as two isomers. Bornyl acetate also contributes a fresh pine aroma and is commonly used in pine fragrances and air conditioners.