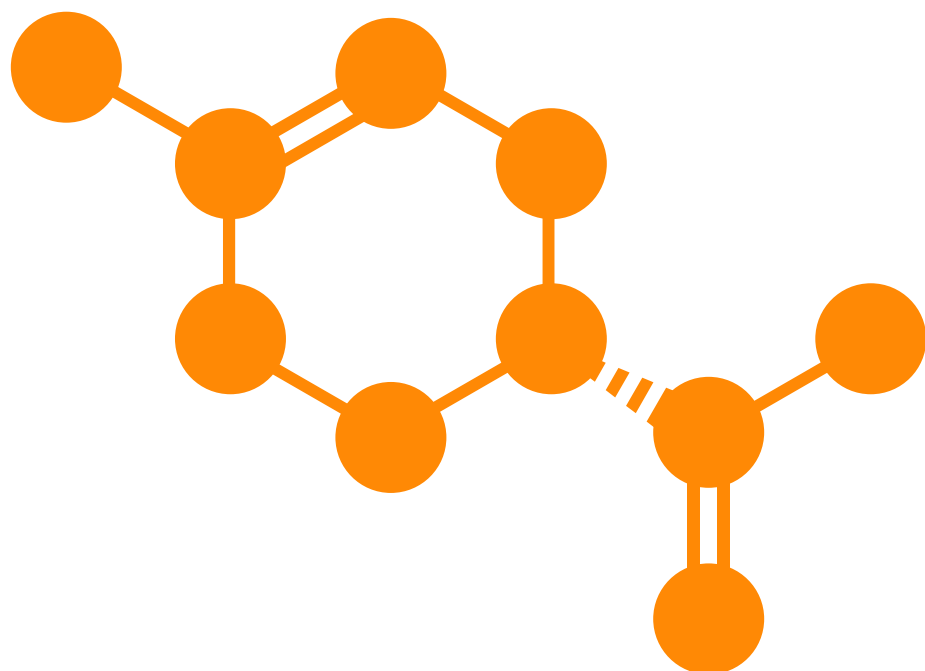


CHEMISTRY ADVENT

15

THE ORANGE PEEL FLAMETHROWER



D-LIMONENE



Carbon

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

Oranges were traditionally given as Christmas gifts, and they still have an association with the festive period. D-limonene has an orange-like aroma, and is a major component in the rinds of citrus fruits such as oranges. Squeezing the oils from the peel into a candle flame produces a small jet of flame, as the limonene that the oils contain is very flammable.



THIS IS FUN TO TRY – BUT DO IT SAFELY, OVER A NON-FLAMMABLE SURFACE. USE A SMALL AMOUNT OF PEEL, AND HOLD IT NEXT TO THE FLAME (NOT OVER).

