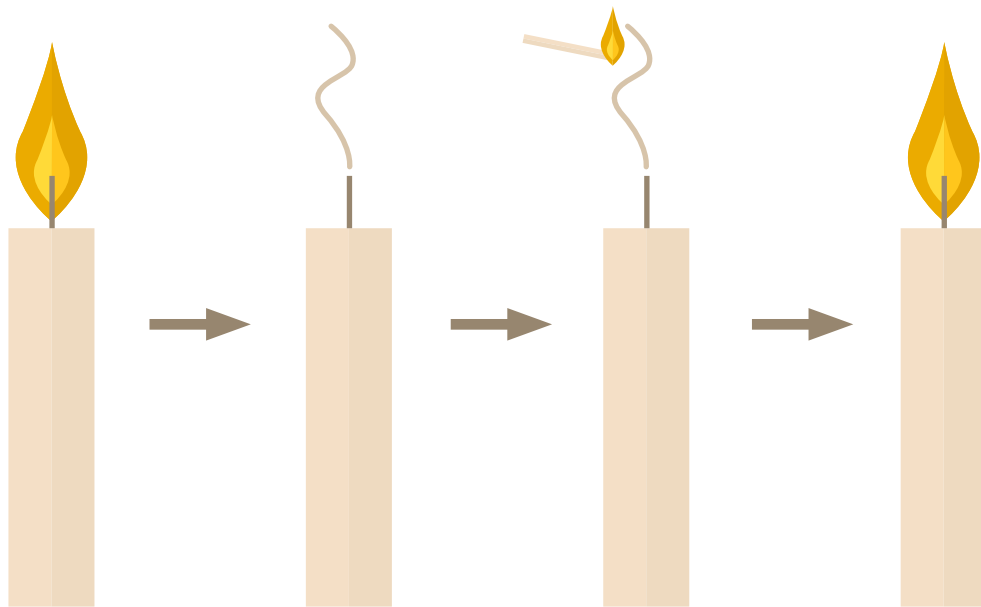


# CHEMISTRY ADVENT 2015

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## THE RELIGHTING CANDLE TRICK



Here's a fun trick for the Christmas dinner table: if you blow out a candle, then hold a lit match in the 'smoke trail' coming off the extinguished flame, the candle will relight. The 'smoke trail' is actually wax vapour, and putting a lit match into it simply relights the fuel, giving the illusion of the flame 'jumping' back down to the candle wick.

### GENERAL EQUATION FOR WAX COMBUSTION



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