## THE CHEMISTRY OF FIREWORKS



Colour in fireworks is produced by pyrotechnic 'stars', which produce coloured light when ignited. The stars contain five basic ingredients. **Metal salts** are used to produce colour; a **fuel** is needed to allow the star to burn; an **oxidising chemical** provides oxygen for the combustion of the fuel; a **chlorine-donating compound** helps strengthen some colours; and a **binding chemical** holds the mixture together.



