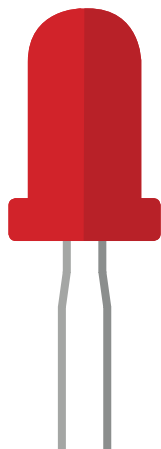


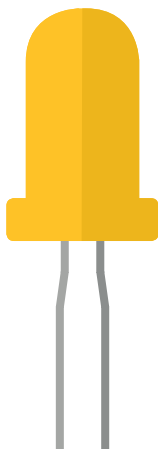
CHRISTMAS LIGHT CHEMISTRY



RED

GaAsP / GaP

AlGaInP



YELLOW

GaP



GREEN

GaP

GaN



BLUE

GaN

LEDs (light-emitting diodes) give off light when current is passed through them. They are made from semiconducting materials; the colour of light emitted depends on the materials used. Many of these materials are based on gallium, such as gallium arsenide phosphide (GaAsP), gallium phosphide (GaP), gallium nitride (GaN), and aluminium gallium indium phosphide (AlGaInP).

