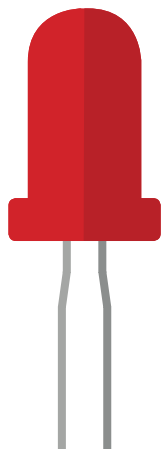


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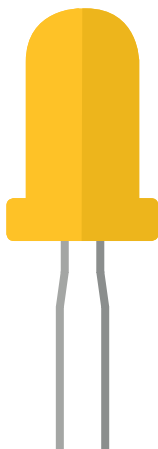
CHRISTMAS LIGHT CHEMISTRY



RED

GaAsP

AlGaInP



YELLOW

GaAsP

AlGaInP



GREEN

GaP

GaN



BLUE

InGaN

AlGaIn

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).

