




THERMAL JOINING

Key Revision Facts: GCSE Technology

Thermal Joining requires heat to join materials.

Name	Applications	Image	Where used	Why use
Soldering – Soft soldering is a method of joining metals with a Tin/Lead Alloy. The heat sources are often a Soldering Iron.	Soldering is commonly used in electronics		Circuit boards	It conducts electricity
Brazing – Brazing is a metal joining process in which two or more metal items are joined together by melting and flowing a filler material into the joint. The filler metal will have a lower melting point than the adjoining metal.	Metal pipes and tubes		Water pipes	can join dissimilar metals
Welding – Welding uses two gasses to create lots of heat to melt the two surfaces that cause a gap that is a field with a flux core to seal the gap.	Steel frame		Car frames	It creates a strong bond between two metals

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VERSION INFORMATION

Date	Arthur	Comment
13-Mar-2021	Andrew Seaford	Initial release.