## FUEL GAS & MELTING TEMPERATURES

Fuel Gas		Tempera- ture*	Characteristics	
Acetylene	Oxygen	<b>3300</b> °C	Highest flame temperature. Many torch options available. Produce	
	Air	<b>2600°</b> C	from a welding/gas supplier. Not sold in most hardware stores.	
Propane	Oxygen	<b>2800</b> °C	Less expensive than acetylene and more readily available. Clean burning. Can be purchased in small disposable cylinders. Lower flame temperature than acetylene. Should not be stored indoors.	
	Air	<b>1950°</b> C		
Hydrogen	Oxygen	<b>2650°</b> C	Relatively high flame temperature. Perfect for casting platinum because it's clean burning. Expensive and only available from specialty suppliers.	
	Air	<b>2050°</b> C		
MAPP®		<b>2900</b> °C	Combination of liquefied petroleum gas and methylacetylene- propadiene. Readily available in small disposable cylinders. Clean burning and high temperature.	
Natural Gas		<b>2750°</b> C	Lower temperature. Safe and cost effective if you already have a natural gas hookup, but requires a professional to install.	
Butane		<b>1760</b> °C	Affordable and readily available. Small containers means it's very portable. Low temperature.	

\*Maximum flame temperature (values are approximate).

Contenti

Metal	Symbol	Melting Point °C	Melting Point °F
Aluminum	Al	660°C	1220°F
Brass/Bronze		954°C	1750°F
Copper	Cu	1083°C	1981°F
Gold	Au	1063°C	1945°F
Iron/Steel	Fe	1539°C	2802°F
Lead	Pb	327°C	621°F
Nickel	Ni	1455°C	2651°F
Palladium	Pd	1555°C	2831°F
Platinum	Pt	1773°C	3224°F
Silver, Fine	Ag	961°C	1761°F
Silver, Sterling		893°C	1640°F
Tin	Sn	232°C	450°F
Zinc	Zn	419°C	787°F