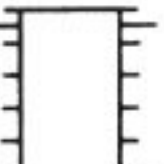

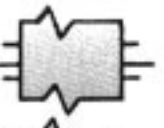
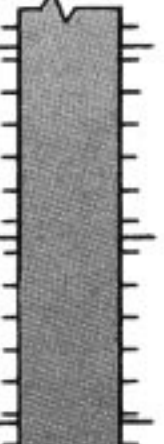
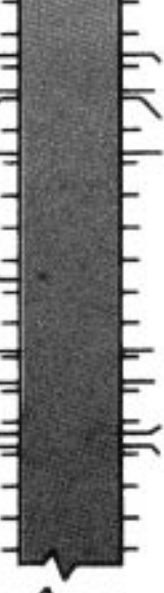

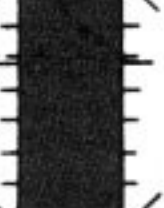


Comparisons of Some Flame Temperatures

Theoretical flame temperature			Fuel	Air (or O ₂) temp., F/C	Equivalence ratio
F	C				
5553	3072		Acetylene in O ₂	(60/16)	—
5079	2804		Hydrogen in O ₂	(60/16)	—
5035	2780		Methane in O ₂	(60/16)	—
4106	2264		Acetylene	60/16	1.00
4100	2260		Natural gas	1400/760	1.11 (rich)
4070	2243		Natural gas	1400/760	1.00
3821	2105		Hydrogen	60/16	1.00
4000	2204		Natural gas	1100/593	1.00
3920	2160		Natural gas	900/482	1.00
3800	2093		Natural gas	600/316	1.00
3710	2043		British town gas	(60/16)	1.00
3700	2038		Carbureted water gas	(60/16)	1.00
3610	1988		Coke oven gas	60/16	1.00
3562	1961		Natural gas ¹	60/16	1.00
3539	1949		Methane ²	60/16	1.00
3460	1904		Methanol	60/16	1.00
3400	1871		Natural gas	60/16	1.18 (rich)
3300	1816		Natural gas	60/16	0.86 (lean)
3010	1654			Producer gas	60/16
3000	1649	Natural gas	60/16	1.49 (rich)	
2895	1591	Natural gas	60/16	0.70 (lean)	
2650	1454		Blast furnace gas	60/16	1.00