

Some hydrogen production techniques and yields

Primary Energy	Technique	Temperature (°C)	Yield	Yield after reversion to electricity*		
Gas	Steam methane reforming (SMR)	750 < T < 900	80%	48%		
	Partial oxidation (POX)	1300 < T < 1400	70%	42%		
	Autothermal reforming (ATR)	1100 < T < 1400	76%	46%		
Coal	Gasification	400 < T < 1600	60%	36%		
Nuclear	Electrolysis of water in vapor phase	1000 < T < 2500	40%	24%		
	Thermochemical cycles	450 < T < 900	60%	36%		
Hydroelectricity Wind Geothermal Tides	Electrolysis of water		70%	42%		
Solar		Photovoltaic electrolysis			16%	
		Thermochemical cycles			450 < T < 900	60%

* Considering fuel cell with efficiency: 60%