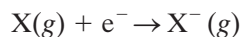


## APPENDIX 5

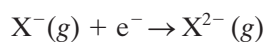
# Electron Affinities of Selected Nonmetals

These electron affinities are in units of  $\text{kJ}\cdot\text{mol}^{-1}$ , and they have been summarized from J. E. Huuhey et al., *Inorganic Chemistry*, 4th ed. (New York: HarperCollins, 1993).

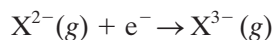
The 1st electron affinity represents the energy required for the process:



while that of the 2nd electron affinity represents that for:



and that of the 3rd electron affinity represents that for:



Element	Electron Affinity		
	1st	2nd	3rd
Nitrogen	-7	+673	+1070
Oxygen	-141	-744	
Fluorine	-328		
Phosphorus	-72	+468	+886
Sulfur	-200	+456	
Chlorine	-349		
Hydrogen	-79		
Bromine	-331		
Iodine	-301		