

**THERMODYNAMIC APPLICATIONS IN ENVIRONMENTAL  
ENGINEERING**

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**ABSTRACT**

We briefly review some of the applications of thermodynamics in environmental engineering. In particular, we examine the performance of thermodynamic models in the prediction of pollutant's properties with major importance in environmental engineering such as octanol/water partition coefficients, Henry's law constants and solubilities in water. Also, we examine the capabilities of simple models in the prediction of partitioning of pollutants between aquatic biota and water.