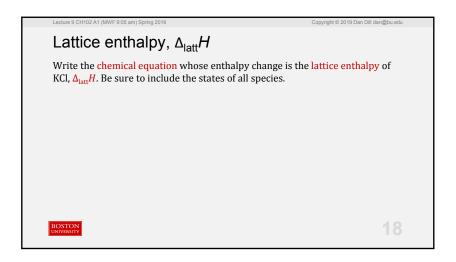


[TP] Lattice enthalpy, Δ_{latt}H, is the enthalpy change required to separate a mole of ionic solid into its individual ions in the gas phase, so that they are so far apart they no longer interact with one another electrically. Lattice enthalpy ...

0% 1. is always positive
0% 2. is always negative
0% 3. can be positive or negative, depending on the ionic solid



Lattice enthalpy, $\Delta_{\text{latt}}H$ Create the enthalpy diagram corresponding to the chemical equation whose enthalpy change is the lattice enthalpy of KCl, $\Delta_{\text{latt}}H$. Be sure to show visually whether the process is endothermic or exothermic.

TP] Enthalpy of aquation, $\Delta_{aq}H$, is the enthalpy change when a mole of ion pairs, initially in the gas phase, so far apart they no longer interact with one another electrically, is place in liquid water. Enthalpy of aquation ... 0%1. is always positive 0%2. is always negative 0%3. can be positive or negative, depending on the ionic solid

