

## Hess's Law, $\Delta H_f$ , and Bond Energy

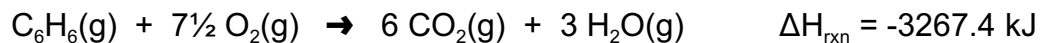
1. Which compound is more stable - KBr(s) or KCl (s)? Explain.

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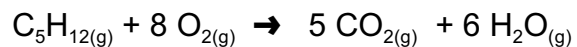
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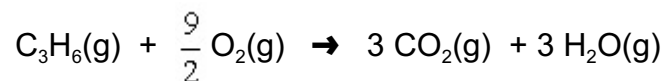
2. From the equation below determine the molar enthalpy of formation for benzene( $C_6H_6$ ).



3. Use the average bond energies from p. 847 to estimate the heat of reaction for :



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5. Arrange the following in order of increasing  $\Delta H$ . (lowest first)

