

Thermochemistry

Wake Up: Bond Enthalpies



Bond	Average Bond Enthalpy (kJ/mol)
O – H	463
O – O	146
O=O	495

1. Shown above is the chemical equation for the decomposition of hydrogen peroxide and a table of bond enthalpies. On the basis of this information, which of the following is the enthalpy of decomposition of two moles of hydrogen peroxide?
- (a) -349 kJ
 - (b) -203 kJ
 - (c) +203 kJ
 - (d) +349 kJ