

- 1 "In my lecture I was told that change in enthalpy is products minus reactants, but my discussion leader told me that it is reactants minus products. I've also looked in another chemistry book and it says products minus reactants. Which is right?"
- A products minus reactants
  - B reactants minus products
  - C both
- 2 Express the enthalpy change of the reaction  $A-A + B-B \rightarrow 2 A-B$  in terms of bond enthalpies,  $dH_b$ .
- A  $dH_b(A-A) + dH_b(B-B) - 2 dH_b(A-B)$
  - B  $-dH_b(A-A) - dH_b(B-B) + 2 dH_b(A-B)$
  - C  $dH_b(A-A) + dH_b(B-B) + 2 dH_b(A-B)$
  - D  $-dH_b(A-A) - dH_b(B-B) - 2 dH_b(A-B)$
- 3 Express the enthalpy change of the reaction  $A-A + B-B \rightarrow 2 A-B$  in terms of enthalpies of formation,  $dH_f$ .
- A  $dH_f(A-A) + dH_f(B-B) - 2 dH_f(A-B)$
  - B  $-dH_f(A-A) - dH_f(B-B) + 2 dH_f(A-B)$
  - C  $dH_f(A-A) + dH_f(B-B) + 2 dH_f(A-B)$
  - D  $-dH_f(A-A) - dH_f(B-B) - 2 dH_f(A-B)$
- 4 "In my lecture I was told that change in enthalpy is products minus reactants, but my discussion leader told me that it is reactants minus products. I've also looked in another chemistry book and it says products minus reactants. Which is right?"
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