

APOLLO

Energy cycles in reactions

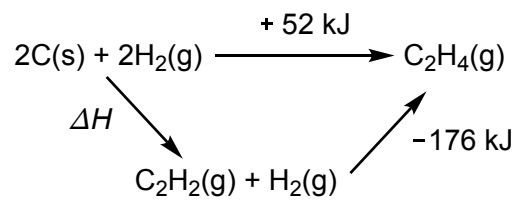
SL

Chemistry

First assessment 2025

2 questions | questions

17. What is ΔH , in kJ, in the energy cycle below?



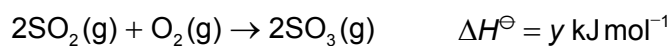
- A. $+52 - 176$
- B. $+52 + 176$
- C. $-52 + 124$
- D. $-52 - 176$

— 5 —

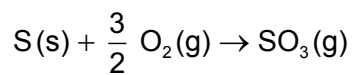
Turn over

0025-0210

16. Consider these equations:



What is the value of $\Delta H^\ominus$, in kJ mol^{-1} , for this reaction?



A. $x + y$

B. $x + \frac{1}{2} y$

C. $x - \frac{1}{2} y$

D. $x - y$