Example problem 2  
Chapter 7  
Chem H202 - 2000

Consider the thermodynamic processes involving one mole of a monatomic ideal gas, illustrated below. In the first, the system is taken from state A to state B through state C (ACB) in the second, state D is the intermediate state.

- What are $\Delta E$ and $\Delta H$ for the transformations between A and B? Should these quantities depend on the path?
- What are $q$ and $w$ for these processes? Do these quantities depend on path?