4

1







































Predicting effect of work on heat

Heat depends on whether there is work

The reaction NaHCO₃(*s*) + H₃O⁺(*aq*) \rightarrow CO₂(*g*) + Na⁺(*aq*) + 2 H₂O(*l*) is **endothermic**, **q** > **0** (solution/surroundings **cool**). Comparing your two energy diagrams, make a prediction about how much cooling there is when the flask is sealed **compared to** when the flash is open.













