7.5 Conservation of Energy: Bomb Calorimetry

This project was preformed to supply **Libretext Authors** with videos on General Chemistry topics which can be used to enhance their projects. Also, these videos are meant to act as a learning resource for **all General Chemistry students**.

Video Topics

The Law of conservation of energy allows for the Heat of reactions for combustions to be found using bomb calorimetry. When the combustion reaction occurs, chemical energy is converted to thermal energy and this energy is transferred to the bomb following the equation qrxn = -qcalorim. This calculation involves enthalpy and the q = mCsΔT equation. This video contains a sample problem, which involves these concepts.

Link to Video

Conservation of Energy: Bomb Calorimetry: https://youtu.be/SSNZGgwYBsQ

Attribution

- Prof. Steven Farmer (Sonoma State University)