|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Thermochemistry Webquest | | | | | | | |
| **Part 1 - Vocabulary** | | | Use this index to help find the word you are looking for the definition of: <https://tinyurl.com/ydfwthzs> | | | | |
| **1** | Kinetic Energy | |  | | | | |
| **2** | Potential Energy | |  | | | | |
| **3** | Endothermic | |  | | | | |
| **4** | Exothermic | |  | | | | |
| **5** | Activation Energy | |  | | | | |
| **6** | Heat of Reaction *(google this one)* | |  | | | | |
| **7** | Enthalpy | |  | | | | |
| **8** | Entropy | |  | | | | |
| **9** | Specific Heat | |  | | | | |
| **Part 2 - Watch a Video** | | | Watch the Video at the link below. Then answer the questions. <https://tinyurl.com/ydbso336> | | | | |
| **1** | What does it mean to have thermoenergy | | |  | | | |
| **2** | What temperature would something need to be, in order to not have thermoenergy. | | |  | | | |
| **3** | What is the difference between potential and kinetic energy? | | |  | | | |
| **4** | What is thermodynamics? | | |  | | | |
| **5** | What is the equation for change of energy to a system? | | |  | | | |
| **6** | What is the difference between an exothermic and endothermic reaction? | | |  | | | |
| **7** | Do you think the ΔE for an exothermic reaction would be positive or negative? | | |  | | | |
| **Part 3 - Specific Heat** | | | Use the following link to answer the questions below: <https://tinyurl.com/mo6v3fh> | | | | |
| **1** | Write the formula that can be used to calculate the heat energy being absorbed or released in a system | | | |  | | |
| **2** | Identify each variable by name | Q | | | m | C | ∆T |
| **3** | Using the “Table” link at the bottom of the equation box, what solid substance has the highest specific heat? | | | | | |  |