
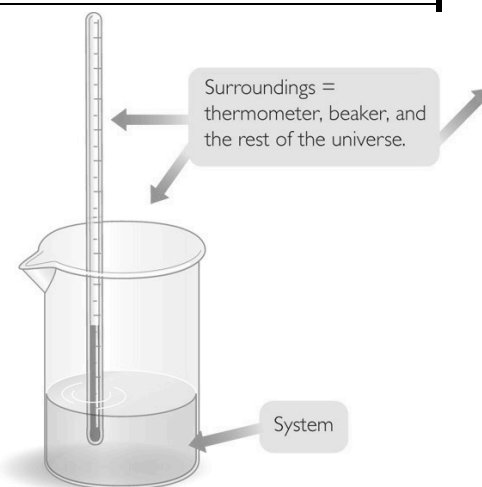



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| Cornell Notes  Decades of College Dreams | Topic/Objective: Energy & Exothermic/ | Name: |
| | Endothermic Reactions | Class/Period: Chemistry |
| | | Date: |

Essential Question: **What is energy?**

In what direction is heat transferred during a chemical process?

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| Questions: | Notes: |
| What is energy? | Energy: |
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| Energy Transfer and Chemical Processes | Heat: |
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| | System: |
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| | Surroundings: |
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| How can you explain the sensation of hot and cold in terms of heat transfer? | Exothermic: |
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| | |
| | Endothermic: |
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|---|---|
| Questions: | Notes: |
| What is happening on the particle level? | Kinetic Energy: |
| | **The effectiveness to create a new compound is increased when heated** Chemical Potential Energy: |
| How is heat measured? | Calorie (cal): |
| | Joule (J): |
| | 1 cal = _____ J |
|  | <p>The breakfast shown in the photograph contains 230 nutritional calories. How much energy in joules will this healthy breakfast supply?</p> |
| Summary: | |