**Law of Conservation of Energy: Claim, Evidence, Reasoning**, **Rebuttal**

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| **Claim:** How does the **Mixing Water Investigation** show the Law of Conservation of Energy? 1-2 sentences |  |
| **Evidence:** Support your claim with evidence. **This includes DATA from the Mixing Water Investigation.** Data should be appropriate (relate to your point) and sufficient (fully explain your claim).  3-4 sentences minimum |  |
| **Reasoning:** Demonstrate why your evidence supports your claim using **scientific principles. WHY does the temperature come to an average? What is happening to the energy?**  3-4 sentences minimum |  |
| **Rebuttal:** Describe a misconception you had and use evidence and reasoning to refute the misconception. **What did you originally think was going to happen to the temperature? How has your thinking changed now?**  3-4 sentences minimum |  |