

3Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

### **8.2.3 Kinetic Energy--Defending Your Claim**

**The claim:** the kinetic energy of an object changes as energy is transferred to or from the object.

- Examples could include observing temperature changes as a result of friction, applying force to an object, or releasing potential energy from an object.

Plan and conduct a few experiments to collect evidence.

Prediction (cause and effect) -->	Observation -->	Outcome (Evidence)

**Claim: Kinetic energy of an object will change when energy is transferred to or from an object.**

Evidence -- Evidence is a piece of information/data that supports the claim.

- Example: Temperature change of +15 degrees

Explanation-- Your explanation for how the data supports our claim

- Example: When we added heat to the material the temperature went up by 15 degrees. This shows an increase in kinetic energy

Select from the experiments the 3 best pieces of evidence you found to support your claim. Each box should only have one complete sentence.

The data, fact or piece of information that supports that claim	An explanation on how the data supports the claim	
Evidence 1		
Evidence 2		
Evidence 3		

**Full Argument:** State your claim, include your 3 explanations of the best evidence, and finish with a closing statement.

