**NAME:**

**DATE: PERIOD:**

**JUMPING FROGS LAB**

DIRECTIONS:

1. Pick up 1 large and 1 small index card.
2. Build 2 new frogs using the procedure from yesterday.
3. Play with ALL 3 frogs and get them to jump.
4. Answer the following questions based on your observations.

QUESTIONS:

1. Which frog jumped the highest?
2. Why do you think the frog from question 1 jumped the highest? (think about the variables in the KE and PE formulas)
3. Which frog had a hard time jumping?
4. Why do you think the frog from question 3 had a hard time jumping? (think about the variables in the KE and PE formulas)
5. What makes the frog have a greater potential energy?
6. What makes the frog have a greater kinetic energy?
7. Based on the observations from the 3 frogs, which frog had the most potential energy AND how do you know that?