

Name\_\_\_\_\_

## Penny Launcher

You will design an experiment that uses the penny launcher device to test 2 things:

1. if/how the magnitude of force affects the change in motion for a specific object
2. if/how the amount of mass affects the change in motion for a specific object

Answer the following questions to help you design the experiment:

1. What are we going to want to change in our investigation?
2. How can we change the *force* applied in the penny launcher?
3. How can we *consistently and accurately* change the force?
4. What are we going to measure in our investigation?
5. How can we measure change in motion?

6. How can we change the *mass* involved in the penny launcher?
  
7. How will we know if we are getting reasonable results?
  
8. How can we communicate the results of our investigation with others?

We are going to come to a consensus as a class about how we are going to perform the test!