



Name _____ Pd _____ Number _____ 1 pt ec printing

Scientific Method and the Watermelon/RubberBand Experiment

Team Member Names/Numbers:
1 _____
2 _____
3 _____
4 _____
5 _____

1. Identify the problem/Purpose: What do you want to know/explain? Why? How? What? What question is to be solved? This must be about something measurable.
Use observations you have made to write a question that addresses the problem or topic you want to investigate:

2. Form a Hypothesis: What do you think will happen? This is a prediction with a NUMBER result.
Use **If - then** statements: If _____ [*I do this*], then _____ [*this will happen*]

3. Experimental Variables & Controls
What is an independent variable: _____

example _____

What is a dependent variable: _____

example _____

What is a controlled variable or simply a "control": _____

GOAL: Test your hypothesis. Is it accepted (right) or rejected (wrong) ?

a: List the materials you will need: _____

b: What are your controls? _____

c. What is your independent variable? _____

d. What is your dependent? _____

e. What will you be measuring? _____

