

Scientific Method and the Watermelon/RubberBand Experiment

Name _____ Number ____ Pd ____

Class period: ____	Team Member Names/Numbers:
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____

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? _____

f. List your procedures: (number them)
