

Name _____ Period _____

Product Testing – Scientific Method Style

We are going to test how the scientific method can work for you. You have the opportunity to compare products to one another to determine which product is best. For example:

- Do all brands of diapers absorb the same amount of liquid? Does it matter what the liquid is (water as opposed to juice or... um.. urine)?
- Do all brands of toothpaste polish the same?
- Do all dishwashing detergents produce the same amount of bubbles? Clean the same number of dishes?

In groups of three or four, determine which products you would like to test. Fill in all information below:

1) Products (and who is responsible for bringing them next time):

2) What are we testing (specifically)?

3) How we are going to test the product?

4) How will we know what product performed the best?

Teacher Approval:

Coach Anderson

Product Testing Lab Report



Title: *(a brief, concise, yet descriptive title)*

Statement: *(What question(s) are you trying to answer?)*

Hypothesis: *(Make sure the statement is testable.)*

Materials: *(Make a list of ALL items used in the lab.)*

Procedure: *(Write a paragraph (complete sentences) which explains what you did in the lab.*

** Your procedure should be written so that anyone else could repeat the experiment.)*

Results: *(This section should include any data tables, observations, or additional notes you make during the lab. You may attach a separate sheet(s) if necessary. * All tables, graphs and charts should be labeled appropriately)*

Conclusions:

** Accept or reject your hypothesis.*

** EXPLAIN why you accepted or rejected your hypothesis using data from the lab.*

** Include a summary of the data - averages, highest, lowest..etc to help the reader understand your results*

** List one thing you learned and describe how it applies to a real-life situation.*

**Discuss possible errors that could have occurred in the collection of the data (experimental errors)*