

Bell Work 8/30

A scientist wants to compare how plants grow in the sunlight to how plants grow in the darkness.

- 1) What things should she keep constant?
- 2) What is the independent variable?
- 3) What is the dependent variable?

Paper Towel Lab

Paper Towel Observations:

- Remember the activity yesterday and use as many descriptive words as possible. This will help you come up with an idea for a question to answer.

Problem/Question:

- Be CREATIVE!! I will not give you examples so you can come up with your own idea of what to test. Please do not share your idea with those around you until everyone has decided. This will help ensure that everyone has a unique idea!

Hypothesis:

- If... , then... statement.

Procedures:

- Identify the constants, control, independent and dependent variables
- Make sure your collecting quantifiable data.
- Make procedures very precise putting in weights and measures.

Materials:

- You have various lab instruments to use in your experiment.
- Handle things with care and remember your lab safety sheet.

- You must Clean your station and put everything back before you can leave.

Data:

- Compile this into a table or chart to make analyzation easy.

Results:

- Create a graph using the collected data
- The type of graph you use is important. Remember:
- Line graphs: show changes over time
- Bar graphs: compare different sets of similar data.

Conclusion:

- Accept or reject your hypothesis
- What would you change if you were to conduct the experiment again?

Share your results

You will use your notes from your interactive notebook to write up a formal lab. This will be your first lab grade. Type or write up your lab neatly on lined paper in order for it to be turned in on Monday. This will be your homework.

You will have to do a quick speech on Monday describing your research.