



You will be conducting a science experiment on trash!

In this experiment, you will see how different pieces of trash change over time. In order to conduct a scientific investigation you can follow these steps of the scientific method:

1. **ASK A QUESTION:** Ask a question about something you will observe. It should start with one of these words: How, What, When, Who, Which, Why or Where.
2. **MAKE A HYPOTHESIS:** A hypothesis is a guess about what you think will happen in the experiment.
3. **START YOUR EXPERIMENT:** Your experiment tests if your hypothesis is right or wrong.
4. **OBSERVATIONS:** Take careful observations every week.
5. **ANALYZE YOUR DATA:** Using your observations, decide if your hypothesis is true or not.
6. **CONCLUSION:** Draw some conclusions about your analysis. It doesn't matter if your hypothesis is right or wrong!

Question: (What are you trying to find out?)

Hypothesis: (What do you think will happen?)

Name _____

Date _____

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):

Bread

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):

Leaves

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):

Paper

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):

Plastic

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):

Foil

Record any other initial observations here:

Record any other final observations here:

Observations:

Initial:	Week 1:
Week 2:	Week 3:
Week 4:	Week 5:
Week 6:	Week 7 (Final):



Analyze Your Data: (What were your results? Can you accept or reject your hypothesis?)

CONCLUSION: (What did you learn from doing this experiment? Which trash items changed the most? Why? Which didn't seem to change at all? Why? What were some things that surprised you about the results of the experiment?)
