

TITLE

DATE

STANDARDS

7.3.7

a, b, c, d, e, f, g, h, i, j, k

skills:

- make predictions/testable questions
- collect quantitative data
- incorporate variables - to change and control
- keep accurate records in notebook
- analyze data
- communicate findings with graphs

VOCABULARY

mechanical breakdown -

chemical breakdown -

variable -

control -

MATERIALS

FOCUS QUESTION(S) – (Challenge)

PURPOSE

- ✓ To show the effect of chemical breakdown on food particle **size**.

(You will show this by creating a model of chemical breakdown.)

PART A - TESTING THE MODEL

MATERIAL/PROCESS	REPRESENTS

PART B - PREDICTION

(See step 6.)

- ✓ If _____ (size) _____ then _____ (time to break down) _____.
- ✓ (This is a cause and en effect.)

Write your prediction here:

PLANNING/PROCEDURE

(See step 6.)

What are the **variables** in your experiment?

What will be the **control** that you compare all other results to?

PLANNING/PROCEDURE - continued

Record your procedure here. Number the steps.

**DATA
(See step 7.)**

What data will you collect? How will you organize it?

CUP						
A						
B						
C						
D						
E						



BEFORE YOU CONDUCT YOUR EXPERIMENT, YOU MUST FIRST HAVE ME APPROVE OF YOUR PLAN!

CONCLUSION

- Our prediction was correct/incorrect because
-
-

REFLECTION

AQ 5 – Write your answer to analysis question 5 here.

Pick at least one question to answer. Relate your answer to this investigation.

- ✓ What were YOUR OWN thoughts after the investigation?
- ✓ Was there anything you understood better?
- ✓ What connections did you make?

Pick at least one sentence stem to complete. Relate your answer to this investigation.

- This reminds me/us of _____ because _____.
- Now I/we think that _____ because _____.
- A problem I had during this investigation was _____. I think/know this happened because _____.
- I/we discovered that _____.

NEXT STEPS/QUESTIONS

Pick at least one sentence stem to complete. Relate your answer to what you think the next investigations may be about.

- What would happen if _____.
- I think what we will do next is _____.
- I want to know more about _____ because _____.