

The Scientific Method



I.

Ask a Question: What are you trying to find out?

- A. You need a PURPOSE or PROBLEM for the experiment.
- B. The problem is written as a QUESTION and asks what you are trying to find out.

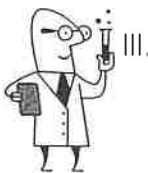


II.

Form a Hypothesis: A tentative explanation for a problem you're testing.

- A. Make a PREDICTION. (what you think will happen)
- B. Form a HYPOTHESIS. (explanation for why it will happen)
- C. Write a **hypothesis** that is in 3 parts:

1. IF...(THIS HAPPENS)
2. THEN...(THIS WILL HAPPEN)
3. BECAUSE...(TELL WHY)



III.

Test the Hypothesis:

- A. **Procedure:** The steps of the experiment.
 1. Includes details about MATERIALS, AMOUNTS how to COLLECT DATA, etc.
 2. You should
 1. READ the entire PROCEDURE.
 2. FOLLOW it step by STEP.
 3. RECORD DATA accurately as you go.