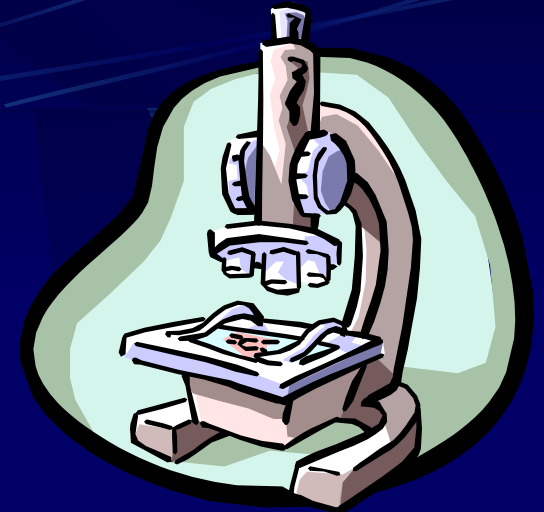


# THE SCIENTIFIC METHOD

MR. WONG PRESENTS.....



# STEP 1

## WRITE DOWN A QUESTION YOU WANT TO ANSWER

- DOES A PLANT GROW FASTER IF WATERED BY MILK OR WATER?
- DOES MUSIC AFFECT PLANT GROWTH?
- WHICH PAPER TOWEL IS THE STRONGEST?
- WHAT TYPE OF GRAPE BECOMES A RAISIN THE FASTEST?

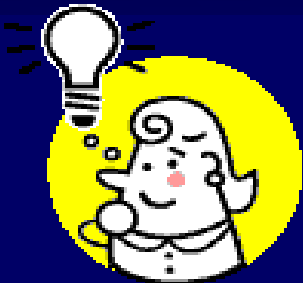


## STEP 2

# MAKE A HYPOTHESIS

- A HYPOTHESIS IS A GUESS OF WHAT YOU THINK MIGHT HAPPEN.
- ANSWER YOUR QUESTION YOU ARE TRYING TO FIND OUT.

I BELIEVE IF YOU WATER A PLANT WITH MILK, IT WILL GROW MUCH BETTER THAN JUST USING WATER.



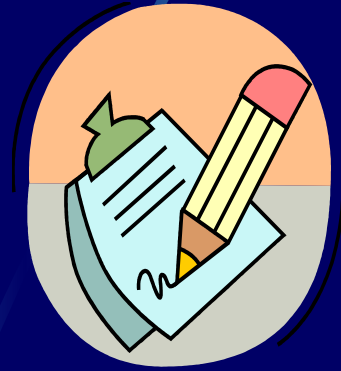
## STEP 3

# LIST THE MATERIALS YOU ARE GOING TO USE IN YOUR EXPERIMENT



2 SIMILAR PLANTS, WATER, MILK,  
½ CUP, SUNLIGHT, PAPER, PENCIL,  
GRAPH PAPER,

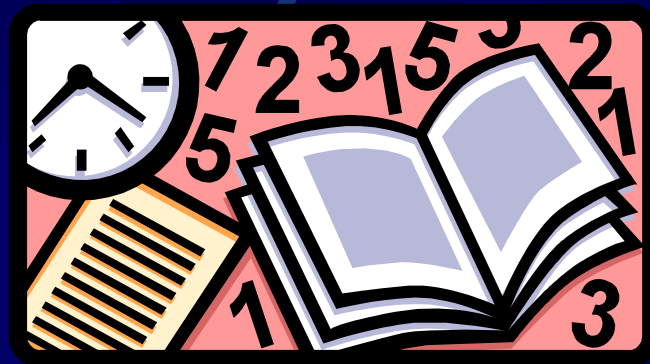
## STEP 4



# WRITE DOWN YOUR PROCEDURE

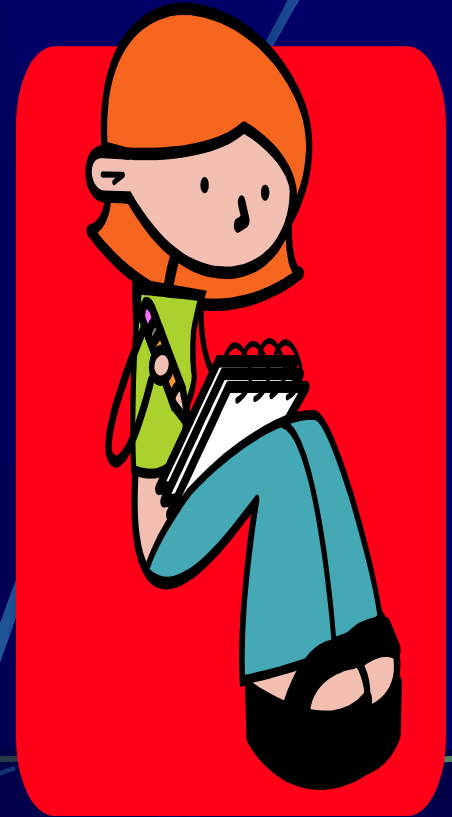


- TELL US HOW YOU ARE GOING TO DO YOUR EXPERIMENT
- YOU NEED TO WRITE STEP BY STEP INSTRUCTIONS
- USE NUMBERS LIKE ...FIRST...SECOND...THIRD...AND SO ON



# STEP 5

## COMPLETE YOUR EXPERIMENT AND RECORD YOUR DATA



- WRITE EVERYTHING YOU DO DOWN IN A JOURNAL
- WRITE DOWN WHAT IS HAPPENING IN YOUR EXPERIMENT
- WHAT IS CHANGING? WHAT IS STAYING THE SAME?
- USE YOUR OBSERVATION SKILLS
- USE YOUR 5 SENSES--GET IT ALL ON PAPER



# **Step 7: Write Your Conclusion/Ending**

What did you find out?

Was your hypothesis correct?



# **Step 8: What are your Next Steps?**

What will you do next time that is  
different?





# **Step 9: Show your Data**

Use graphs and charts to show what you found out.



**Step 10: Keep a Journal  
and Research your  
project.**

STEP 6

# WRITE YOUR ABSTRACT PARAGRAPH



ANSWER THESE QUESTIONS IN YOUR WRITING:

- WHAT DID YOU WANT TO FIND OUT?
- HOW DID YOU PLAN TO FIND THIS OUT?
- WHAT HAPPENED IN YOUR EXPERIMENT?
- WHAT DID YOU LEARN?