

Name: \_\_\_\_\_

Science 7

Date: \_\_\_\_\_

Scientific Method

**Aim:** I can use the scientific method to solve problems.

**Do Now:**

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**Notes:**

### The Scientific Method

- An \_\_\_\_\_ set of investigation procedures.
- \_\_\_\_\_ to answer a question

#### 1. Problem

- Always in the form of a \_\_\_\_\_
- What do you want to solve?

#### 2. Hypothesis

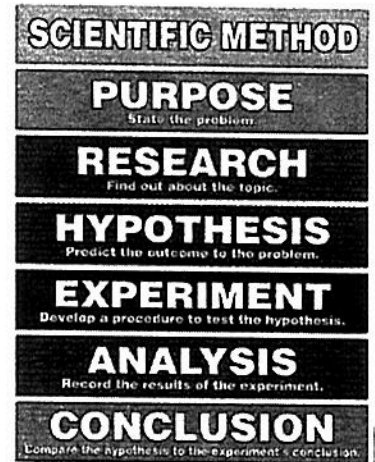
- An \_\_\_\_\_ guess based on prior knowledge and research.
- A \_\_\_\_\_ answer to the problem
- If...then...because...

#### 3. Experiment

- Test if hypothesis is \_\_\_\_\_ or \_\_\_\_\_
- Gather Materials
- Design Procedures

#### 4. Observation

- The gathering of information by using one, some or all of your \_\_\_\_\_ senses.
- Two types of observations:



Qualitative Observation: Describes	Quantitative Observation: Measure/ Numbers
Examples:	Examples:

## 5. Results

- Write down all \_\_\_\_\_ / \_\_\_\_\_ that are made during the experiment.
- Create \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ tables

## 6. Conclusion

- A multi sentence statement that:
  1. \_\_\_\_\_ the question stated in the problem
  2. States if the \_\_\_\_\_ is right or wrong
  3. \_\_\_\_\_ the data

## 7. Repeat

- The entire experiment must be conducted \_\_\_\_\_ to be considered \_\_\_\_\_.
- \_\_\_\_\_: proven to be logically true/legitimate
- To find any \_\_\_\_\_



## Inference

- Possible \_\_\_\_\_ for an observation
- Based on \_\_\_\_\_ and prior \_\_\_\_\_

Examples:

1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_