



Name \_\_\_\_\_  
Date \_\_\_\_\_  
Period \_\_\_\_\_


# The Scientific Method HW




Ask a **(1)** \_\_\_\_\_  
about the world around you



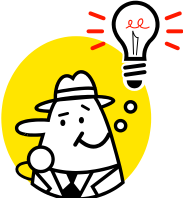
Form your  
**(2)** \_\_\_\_\_  
after some research so it is  
an educated guess



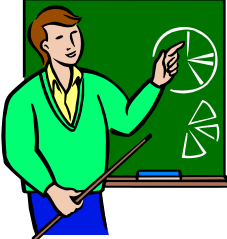
**(3)** \_\_\_\_\_  
your hypothesis by  
planning an  
experiment



Record your  
**(4)** \_\_\_\_\_  
in an organized way  
(chart or graph)



State any  
**(5)** \_\_\_\_\_  
you come to based on  
analyzing your results



**(6)** \_\_\_\_\_  
your findings to other  
scientists

**DIRECTIONS:** WRITE the names of each of the 6 steps of the scientific method in order!

**Q** \_\_\_\_\_

**H** \_\_\_\_\_

**T** \_\_\_\_\_

**R** \_\_\_\_\_

**C** \_\_\_\_\_

**C** \_\_\_\_\_

**DIRECTIONS:** Place the following six steps to the experiment into the **correct order** according to the scientific method. Do so by placing the number of the step (1-6) on the line next to each of the steps. Then, **label the name of the step** (ex) 1 Question

- \_\_\_\_\_ Sally showed the graph of the difference in plant growth to her Botany Club. (remember...botany = the study of plants)
- \_\_\_\_\_ Sally is in the Botany Club at her school. She is always trying to think of ways to make her plants grow better. She wonders if adding sugar to the water for the plants would make a difference.
- \_\_\_\_\_ Sally records the growth of each plant every 3 days for a month. She keeps the information in a chart.
- \_\_\_\_\_ Sally gets two of the same plants that are both healthy and about the same size. She makes sure they have the same amount of soil and sunlight. Sally also gives them the same amount of water each day. The only difference is that she adds 2 tablespoons of sugar to the water for one of the plants each day.
- \_\_\_\_\_ Sally looks at all of the data she has recorded on her chart and decides her hypothesis was correct. The water with sugar in it did make the plant grow faster because plants create natural sugars and so they thrive when given more sugar.
- \_\_\_\_\_ Sally thinks that the plant with the sugar water will grow faster because plants create natural sugars and will thrive on more sugar.