**WHAT YOU KNOW WORKSHEET…**

1. What do scientist do?

**ANALYZE, ANSWER AND SOLVE PROBLEMS**

1. What type of tool can be used to collect facts about things?

* **THERMOMETER (TEMPERATURE)**
* **SCALE OR BALANCE (WEIGHT OR MASS)**
* **RULER (LENGTH)**
* **GRADUATED CYLINDER (VOLUME)**

1. Give me two types of data: (list please)
2. **QUALITATIVE**
3. **QUANTITATIVE**
4. Please tell me the difference between the two types of data (look back at question #3).

**QUALITATIVE-USES THE FIVE SENSES (SIGHT, SMELL, TASTE, SOUND, AND FEEL). DOES NOT USE NUMBERS.**

**QUANTITATIVE- USES NUMBERS (WEIGHT, LENGTH, TEMPERATURE, ETC…)**

1. Please give me a description of an event that is memorable to you. Make observations of the event.

**WANT TO SEE IF STUDENTS UNDERSTAND THE MEANING OF DESCRIPTION TO MAKE AN OBSERVATION OR OBSERVATIONS ABOUT AN EVENT THEY REMEMBER.**

1. Match the five scientific Methods with the definitions
2. Question What happened during the experiment? Discuss

your findings and answer your question.

1. Hypothesis Test your questions by doing an experiment
2. Experiment Record information needed to answer your

question, and to disapprove or approve your

hypothesis.

1. Analysis/Data What do you want to learn?
2. Conclusion Take a guess on what you think the answer to

your question might be.