

Name:
Date:
Class:

Sherlock At Home

Directions- Do the experiment and write all of the answers to the questions on the back of this sheet.

Vocabulary-

Observation- What you see, hear, taste, touch, or smell in an experiment

Qualitative observations- physical characteristics of something (what it looks like, smells like, feels like, tastes like, sounds like).

Quantitative observation- observation of measurement (how much, how many)- an observation with numbers in it.

Deduction- Using steps to reach a conclusion.

Conclusion- Final judgment or summing up.

Materials-

clear, tall drinking glass

piece of notebook paper

kitchen sink or plastic tub

lots of water

Procedure-

1. Gather all of the materials.
2. Fill the sink or tub almost full of water.
3. Loosely crumple the piece of notebook paper.
Question #1- How is the paper different now?
4. Stuff the paper in the bottom of the glass so that it stays there.
5. Holding the glass upside down, push it under the water slowly so the glass is covered in water.
Question #2- What do you see? Is there water in the glass?
6. Remove the glass from the water and take out the paper.
Question #3- Is the paper wet?
7. Read your answers to the questions. Label them as QUALITATIVE or QUANTITATIVE.
8. Question #4- What do you think happened? Why?

