

- We Created
 a Table Together Name:
 In Google Documents Hour:

Take Notes From attached
 U.S.G.S. Information - (last 3 columns
 of Data Table) 1/11/18

| Property Of Water | Observations Of Testing | Gallery Walk-Shared Observations | Reading Science Sources | | | |
|---|--|----------------------------------|--|--|--|--|
| Dissolving Salt In Water | (did salt dissolve?) | | (solubility of water) - Universal Solvent | Take Notes From USGS Water Properties - In Last 3 columns of Data Table. H ₂ O dissolves more substances than anything | | |
| Dissolving Salt In Oil | (did salt dissolve?) | | (solubility of oil) | | | |
| Surface Tension & Cohesion On A Penny | <u>Trial #1</u> <u>Heads-</u> <u>Tails-</u> | | (Surface Tension of water) | | | |
| Surface Tension & Cohesion On A Penny | <u>Trial #2</u> <u>Heads</u> <u>Tails</u> | | (Cohesion of water) | | | |
| Surface Tension & Cohesion- Paper Clip On Water Surface | (were you able to get the paper clip to sit on top of the water surface) | | (Adhesion of water) | | | |
| Capillary Action Of Water | (measure in centimeter- cm units how high the ink travelled) | | (capillary action of water) | | | |

1. Reading Sources- use the website for "USGS.gov" to write the facts about each concept listed in the box

1/11/18

Write a 3 paragraph Essay
Using the Discussion Questions to Guide
the Writing topic-

PLEASE - Do Not Just Answer Questions!

1st Paragraph - Solubility In Water

Discussion Questions:

- 1A. Which liquid is better at dissolving the salt (water or oil)?
- 1B. Why might this be?
- 1C. Using this exploration, construct a definition for the term "solubility."

2nd Paragraph - Surface Tension, Cohesion, Adhesion

Discussion Questions:

- 2D. What kept the paperclip floating?
- 2E. If the paper clip breaks the surface of the water, what happens? Why do you think the paperclip behaves this way?
- 2F. The paper clip demonstrates the surface tension and cohesion of water. What do you think these two terms mean?
- 2A. Which liquid held more drops on the penny? Why do you think this liquid held more drops on the penny?
- 2B. Which liquid do you think holds its molecules together the strongest? What did you observe that could be considered evidence for your explanation?
- 2C. Using this exploration, construct a definition for the terms "surface tension" and/or "cohesion."

3rd Paragraph - Capillary Action

Discussion Questions:

- 4A. How does the ink change?
- 4B. Explain why you think the water traveled up the filter paper.