Name Class Period 

**Scientific Method: What liquid will move to the bottom?**

**Assignment**: Learn about density as a unique property of three different liquids.

**Ask yourself two different questions. 1. What I know about liquids (water, oil, and corn syrup)?**

 **2. What I know about density?**

 **Observe/Predict**: Which liquids will have a high/lower density and how will they move/stack when poured into a beaker together.



Write a hypothesis: If / Then Statement



Experiment:

* Name the **independent variable** (remember it is the one that **“I”** am **changing**)



* Name the **dependent variable** (remember it is the one that is **measured**)



* Name at least **3 constants** (what stays the **same** in each experiment)



* Determine the density of each liquid.
* Pour the oil, water, then corn syrup into a beaker and see how they “move” to “stack-up.”
* Results Diagram how liquids stack

|  |  |  |
| --- | --- | --- |
| **Liquid**  | **Density** |  **How they stack** |
| * **Oil**
 |  |  |
| * **Water**
 |  |  |
| * **Corn syrup**
 |  |  |

Analyze: How did the liquid’s stack (move) related to their unique densities?



Conclusion:

