*How does soap work? Name: Date:*

*Use the following links to re-call what soap is and how it works. In the vocabulary section below, complete each section for each term. Feel free to use the links themselves as a resource for the definition, or another internet source. The purpose of this work is for you to develop your subject vocabulary so that you can more readily use it.*

<http://candleandsoap.about.com/od/soapmakingbasics/g/saponification.htm>

<http://www.chemistryexplained.com/Di-Fa/Fats-and-Fatty-Acids.html>

<http://www.ausetute.com.au/soaps.html>

**Vocabulary:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Term*** | ***Definition*** | ***My Definition*** | ***What it looks like, or How can I remember this?*** |
| **Matter** |  |  |  |
| **Molecules:** |  |  |  |
| **Compounds:** |  |  |  |
| **Chemical Reaction:** |  |  |  |
| **4 Indicators of a chemical Reaction** |  |  |  |
| **Endothermic:** |  |  |  |
| **Exothermic** |  |  |  |
| **Saponification** |  |  |  |
| **Fats (lipids)** |  |  |  |
| **Acid** |  |  |  |
| **Base** |  |  |  |
| **Lye – Sodium Hydroxide** |  |  |  |
| **Precipitate** |  |  |  |
| **Glycerin** |  |  |  |

**What are the steps to making soap? How could you share this information with someone who wants to learn this process?**

**What are your ideas for sharing what you learned with the community during Exhibition?**