General Chemistry 1 Soap Lab Week 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Task 1: Test the Properties of your Soap**

Record the observations on the properties of your soap. Classify each as a physical property or chemical property

|  |  |  |
| --- | --- | --- |
| **Property** | **Chemical or Physical?** | **Observations and Comments** |
| pH |  |  |
| Color  |  |  |
| Smell |  |  |
| Hardness / Texture |  |  |
| Ability to Lather |  |  |
| Ability to Clean |  |  |

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| --- |
| Comment on your method to measure lather. What worked well? What could be improved? |

**Task 2: Sales Pitch Presentation.**

Record your notes here to help you give your sales pitch presentation on your soap. Refer to the grading rubric to best prepare for your presentation.

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| **Product name of your Soap:** |

|  |  |
| --- | --- |
| List your soap “recipe”.Why did you choose your starting ingredients? Highlight some of the background research you did in Week 1 |  |
| Describe the soap properties from the results of your testing |  |
| Highlight what is unique about your soap. Why would someone want to buy this soap? |  |
| Evaluate how the experiment went. What worked well? What didn’t work well? What are some ideas for improvements if you were given the chance to make another bar of soap? |  |

**Task 3: Reflect** on your work today

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| Besides a knowledge of chemistry, what other skills or subject areas did you use in this interdisciplinary two-week experiment? How were they important to the objectives and goals of this experiment? |