**Separation Challenge Lab Write-Up Template Due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Please **type** up your report according to this template, **print it out, and turn it in**. Your final product should look like a formal lab write-up! Please use **Times New Roman size 12 font**. Even though you worked with a partner, the **write up is individual and should be in YOUR OWN WORDS**. **Note: Do NOT use first person in a formal lab report!** (ex: instead of saying “we were trying to separate….” you should say “the purpose of this lab was to separate…”) |

Your Name

Your Lab Partner’s Name

Chemistry Period \_\_\_

Today’s Date

**Title**

Replace the word “title” with a brief statement (10 words or less) of what the experiment is about (Note: do not simply say “Separation Challenge”)

**Purpose and Background**

Please write a brief (1-2 sentences) statement of what you were attempting to do. You should also include background information (what is a mixture, what are the different separation techniques utilized in this lab). Do NOT talk about your procedure here.

**Materials**

Include a bulleted list of all the materials used in the lab. Include specific sizes/quantities when you can.

**Procedure**

The procedure should be written in paragraph form and in past tense (DO NOT USE FIRST PERSON!). This is where you would write out what you did in the experiment. The procedure should be detailed enough so that anyone could read it and be able to do the experiment exactly like how you did it. Write it as if you were giving directions to someone who doesn’t know anything about the experiment. Feel free to include pictures of your experimental setup.

**Results**

What was the result of the separation challenge? **Include pictures** of your separated components and label each picture.

**Conclusion**

This is where you reflect on the lab challenge. This part should be written in paragraph form. Questions to consider: Were you successful in separating all 3 materials? Did you request all the materials you needed?  If you were to do this experiment again, what would you keep the same? What would you differently?