Limiting Reagents Post Lab Grade Sheet **Name: Period:**

**General**

* Headers not filled out
* Footers not signed/dated
* Sections not labeled
* Not adequate spacing
* Lack of Professionalism/Care/Thought
* Extra sections included that were not asked for
* Other:

**Observations/Data Tables**

* Missing either qualitative or
quantitative data
* No title on data tables
* Titles not descriptive
* Too small/squished/messy
* Observations lacking detail or content

**Conclusion**

* Not in 3rd person
* Not in past tense
* Not in complete sentences, paragraph style
* Final results not reported
* Sources of error
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Limits in lab design
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Relating findings back to basic principles of chemistry
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Further experiments
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Related to real life
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Improvements to the lab
	+ Not mentioned
	+ Mentioned not explained
	+ Not explained w/adequate detail
	+ Missing important/key/obvious ones
	+ Incorrect
* Level of detail/thought/care
	+ Significant
	+ Sufficient
	+ Lacking

**Discussion Questions**

|  |  |  |
| --- | --- | --- |
| **General** | 5 |  |
| **Obs/Data Tables** | 15 |  |
| **Conclusion** | 30 |  |
| **Discussion Qs** | 20 |  |
| ***Total*** | 70 |  |

* Questions copied from handout
* Questions not copied, but not paraphrased into your answer

|  |  |  |
| --- | --- | --- |
| * Incorrect
	+ 1
	+ 2
	+ 3
	+ 4
	+ 5A
	+ 5B
	+ 5C
 | * Insufficient
	+ 1
	+ 2
	+ 3
	+ 4
	+ 5A
	+ 5B
	+ 5C
 | **1)** SrCO3 = ppt, Na+ and Cl- = spectator **2)** Boil filtrate to drive off H2O, leaves you with NaCl **3)** % yield would end up too high – would still be wet **4)** % yield of ppt would be too low, would slip under filter  paper and be lost. % yield of NaCl would be too high  because contaminated with ppt. **5)** a) Na2CO3 = XS, SrCl2 = LR b) 9.97g SrCO3, 7.89g NaCl c) discuss her yield compared to yours, better or worse  mentioned, show calculation of her NaCl yield  |

* Missing Questions: