

LAB 6 – SINGLE DISPLACEMENT

Question and Hypothesis: _____

Procedure:

1. Label the beakers A, B, C, D, E, F, G, H, & I.
2. Pour 10 mL of 0.1M $Al_2(SO_4)_3$ into beakers A, B, & C.
3. Pour 10 mL of 0.1M $CuSO_4$ into beakers D, E, & F.
4. Pour 10 mL of 0.1M $ZnSO_4$ into beakers G, H, & I.
5. Add 1 g of Al to beakers A, D, & G. Record observation.
6. Add 1 g of Cu to beakers B, E, & H. Record observation.
7. Add 1 g of Zn to beakers C, F, & I. Record observation.
8. Clean-up.

Data:

	Solution: $Al_2(SO_4)_3$	Solution: $CuSO_4$	Solution: $ZnSO_4$
Solid added: Al			
Solid added: Cu			
Solid added: Zn			

Analysis:

1. What did aluminum replace?

2. What did copper replace?

3. What did zinc replace?

4. What trends did you observe about single displacement and the position of the elements on the periodic table?

Conclusion: _____

