

# CHEMISTRY LAB DATA SHEET

NAME \_\_\_\_\_

Stoichiometry: Single-Replacement and Percent Yield

PARTNER(S) \_\_\_\_\_

\_\_\_\_\_

**Data Table 1**

	Mass, in grams
Clean dry filter paper	
Copper (II) sulfate	
Iron	
Filter paper + copper	
Copper only	

**Data Table 2**

	Before reaction	After reaction
Appearance of solution		
Appearance of solid		

18.

19.

20.

21.

22.

## Discussion:

Hypothesize the possible impacts of the following changes on the amount of product (copper) you measured in your lab. Will the changes make the amount seem:

- (AL) Always larger
- (SL) Sometimes larger
- (AS) Always smaller
- (NE) No effect

- \_\_\_\_\_ use additional copper sulfate solution
- \_\_\_\_\_ added iron quickly rather than slowly
- \_\_\_\_\_ did not allow copper sulfate to dissolve completely in water
- \_\_\_\_\_ did not allow product (copper) to dry overnight