

School Name: \_\_\_\_\_ Team Number: \_\_\_\_\_

Score: \_\_\_\_\_

## Crime Busters Science Sabotage Answer Sheet

Place: \_\_\_\_\_

<b>Powders found at the crime scene-cup _X_</b>	_____ _____ (list the 1 or 2 powders found in the cup)
<b>Powders found at the crime scene-cup _Y_</b>	_____ _____ (list the 1 or 2 powders found in the cup)

	Powders Found In Cup	Powders Found In Cup	Fingerprint	Marker/Pen (chromatogram)
<b>Butch</b>	cup __C__ _____ _____ (list 1 or 2 powders)	cup __D__ _____ _____ (list 1 or 2 powders)	_____ Match? Yes/No	_____ Match? Yes/No
<b>Sandra</b>	cup __E__ _____ _____ (list 1 or 2 powders)	cup __F__ _____ _____ (list 1 or 2 powders)	_____ Match? Yes/No	_____ Match? Yes/No
<b>Larry</b>	cup __G__ _____ _____ (list 1 or 2 powders)	cup __H__ _____ _____ (list 1 or 2 powders)	_____ Match? Yes/No	_____ Match? Yes/No
<b>Kathy</b>	cup __J__ _____ _____ (list 1 or 2 powders)	cup __K__ _____ _____ (list 1 or 2 powders)	_____ Match? Yes/No	_____ Match? Yes/No
<b>Wyatt</b>	cup __L__ _____ _____ (list 1 or 2 powders)	cup __M__ _____ _____ (list 1 or 2 powders)	_____ Match? Yes/No	_____ Match? Yes/No

**Who is/Are the Criminal(s)?** \_\_\_\_\_

**Why are they guilty (how much evidence, what is the evidence, how does this compare to the other suspects)?**

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**Why can't the other suspects be the criminal?**

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**What are the three basic types of fingerprint patterns?**

**Tape your labelled chromatography strips here:**

**BIZ**

**SAS**

**Do Not Write Below This Line**

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**Scoring Summary-**

**Points Powders # correct \_\_\_\_\_ out of 50**  
**less Subtractions \_\_\_\_\_ (extra criminals, extra powders)**  
**\_\_\_\_\_ Total powder points (can't exceed 50)**  
**Fingerprints \_\_\_\_\_ out of 10**  
**Chromatograms \_\_\_\_\_ out of 15**  
**Identification \_\_\_\_\_ out of 25 Total \_\_\_\_\_**

**Tie Breaker 1 total powder points, Tie Breaker 2 # of mixtures 100% correct (4 possible), Tie Breaker 3 lowest number of points subtracted, Tie Breaker 4 most accurate chromatograms (look like the answer key).**