

Participant Names: _____ and _____

The following is a true and complete report of the fictitious incident. Names have been changed to protect the innocent and the alter-egos of the now retired super heroes.

On February 11th, 2005, Flatman and Ribbon (concerns of copyright!) were paid a visit by a carrier pigeon with a note attached to his right foot, as opposed to the old bat signal in the sky (laser pointers outlawed in 2004). The note read: "Flatman, come quick! Arch-villains planning major coo attempt!" The note was signed by Commissioner Golden (more fear of copyright infringement!)

Flatman, Ribbon, Alfred (Flatman's personal auto mechanic) and the carrier pigeon all jumped in the 12 cylinder super-charged Flatmobile and headed for Gollum City. Arriving at City Hall, Chief O'Hara (generic enough to not worry about it) laid out the evidence.

Flatman, realizing he was way over his head on this one, called Aguaman, the Flask, and the Green Flashlight to assist in cracking this caper. Aguaman, still dripping from his swim in, quickly began pouring over the evidence:

- Fingerprints taken from the note (Exhibit #1)
- Finger prints taken from the steering wheel (Exhibit #2)
- Fingerprints taken from the trunk lid of the car (Exhibit #3)
- An torn and crumpled unsigned note assumed to have been written by the ring leader, found in the abandoned car outside Police Headquarters that read "*We need to get together and raise...*" (Flatman sent it to the chromatography lab) (Exhibit #4)
- A small piece of fabric hooked to the driver's side interior door handle, possibly torn from some clothing during a hasty exit (Exhibit #5)
- 5 small plastic pieces of plastic on the floor of the driver's seat (Exhibit #6)
- A white powder found on the passenger seat of the car (Exhibit #7)
- A powder found on the floor of the trunk (Exhibit #8)
- A powder found on the outside of the trunk (Exhibit #9)
- A powder found on the floor of the rear seat behind the driver (Exhibit #10)
- A powder found on the floor behind the passenger seat (Exhibit # 11)
- A powder found on the floor of the driver's seat (Exhibit #12)
- Some plastic pieces found on the seal behind the Passenger's seat (Exhibit #13)
- Some plastic pieces found on the seat behind the driver (Exhibit #14)

The next day, Flatman took the evidence to the Police Forensics Lab for further analysis. Ironically, the lab found that every piece of evidence had a similar film of a substance over it. This was collected and bagged (Exhibit #15)

Ribbon, The Boy Wonder, sent all of the polymers to he buddy in the Plastics Lab, Reece Ickle. Unfortunately, because Ribbon has spent so many years fighting crime, he missed several spelling classes and placed the polymers in the Recycle bin instead. They were recovered, but compressed into pellets. Only the very best CSI agents will be able to identify these.

The mighty, somewhat out of shape Crime fighters then waddled into action, rounding up the following Suspects:

The Penguin-Since retiring, the penguin has opened a deli on 4th street. He specializes in “unique” foods such as goat burgers on homemade buns and red wines. In recent years the Penguin had lost considerable weight due to his recently discovered Potassium deficiency, but it now seems under control as he has returned to his pompous self. When brought in for questioning, he was dressed in a cotton shirt and had a pen in his pants pocket and his eyeglasses in the other pocket with one lens missing. Fingerprints were taken for comparison.

The Joker- The Joker has maintained an active lifestyle by working at the local airport directing arriving and departing flights on the tarmac. Although he has had some health issues in recent years, being prone to seizures, he is in the best physical condition of the group,. He saw a Home Health Care Specialist for his seizures, who recommended taking small doses of Epsom Salts daily. This seems to have his seizures under control. He refuses to eat at “The Penguin Palace” due to what he feels are unsanitary conditions, and the fact that he is on a restricted diet, being a diabetic. When picked up, he was wearing a wool sport coat with a pen in the inside pocket. In the rear pocket of his pants were plastic shards that resembled the cone of a flashlight used to direct jets. Fingerprints were taken for comparison.

The Riddler- The Riddler says he has given up the life of crime and taken up an honest days work as an exterminator. In fact, he is the Penguin’s best customer. Every time he treats the deli for roaches, he grabs lunch there. The Riddle has always been a “Type A” personality and recently has been prescribed drugs to help level his up and down moods. In addition to this, he has been battling a stomach ulcer, no doubt triggered by eating at the Palace. Because of this, he always carries a ½ gallon of milk to wash down the medicine. When he was picked up he was still wearing his green spandex body suit with black question marks. (He was picked up in Central Park, so he fit right in). He had a pen in his... well, he had a pen. Fingerprints were taken for comparison.

Mr. Freeze- Mr. Freeze also states that he is no longer involved in a life of crime. Now he is actively involved in Politics (go figure!), after doing a brief stint in the movies. He spends his spare time gardening in his back yard and weight lifting. He has also gotten into photography and develops all of his own pictures. He has recently bought a fixer upper and is installing a darkroom, complete with running water. He took great pride in showing the Officers the concrete foundation he poured. Of course he was wearing a polyester leisure suite, and never goes anywhere without a pen and never passes up an opportunity to sign autographs. In his pants pocket was an empty sandwich bag from lunch.

Oh, in case you were wondering what the charges are, the abandoned vehicle did not have a current vehicle emissions tag in the windshield. In fact, when the VIN number was run through the Gollum City computer, it showed that it had been tested earlier that month and had failed the inspection. No names were released.

Each of these villains have shown leadership qualities over the years, flawed as they may be. For this reason, all of the above would prefer to drive, as opposed to ride in the car.



The Penguin



The Joker



The Riddler

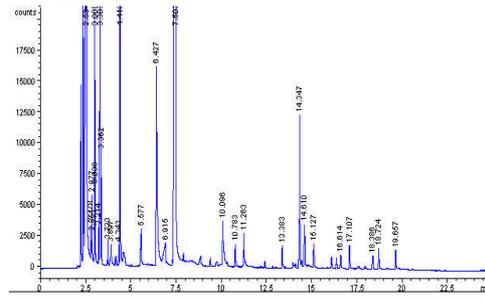


Mr. Freeze

SECTION 1: Fingerprints (10 points possible)

CAUTION: There may be more than one matching print within the prints collected! There also may have been unknown prints collected from the various scenes that have no bearing on the case. At the time of collection, the CSI agents did not have prints to compare to, so they collected all prints found.

- 1 Whose fingerprints were found on the note?
(Exhibit #1) _____
- 2 Whose fingerprints were found on the steering
wheel? (Exhibit #2) _____
- 3 Whose fingerprints were found on the trunk lid?
(Exhibit #3) _____
- 4. Identify the following:
 - A Percent of population with Looped Prints
 - B. Percent on Population with Arched Prints _____
 - C Percent of population with Whirled Prints _____
- 5 How many ridges does the average
fingerprint contain? _____
- 6 How many comparative points are required
for a "positive ID? (Give me a range, if you
want) _____
- 7 What Does "AFIS" stand for, as it relates to
fingerprints? _____



SECTION 2: Chromatography

Suspects Emissions

Chromatography

(15 Points possible)

(Teams may use Isopropyl Alcohol and / or Water as a solvent)

- 8 Whose pen(s) could have been used to write the note, based on Chromatography? _____
- 9 Compare the suspect gas chromo at the top of the page with the previous page. What was the Vehicle Identification Number (VIN) of the suspects car _____

SECTION 3: Chemistry (40 Points Possible)

- 10 What type of fabric was found on the car door? (Exhibit #5) _____
- 11 What type of polymer was found on the floor of the front seat? (Exhibit #6) _____
- 12 What type of powder was found in the passenger's seat? (Exhibit #7) _____
- 13 What type of powder was found IN the trunk? (Exhibit #8) _____
- 14 What type of powder was found on the OUTSIDE of the trunk? (Exhibit #9) _____
- 15 What type of powder was found on the floor of the seat behind the driver's seat? (Exhibit #10) _____
- 16 What type of powder was found on the floor behind the passenger seat? (Exhibit #11) _____
- 17 What powder was found on the floor of the driver's seat? (Exhibit 12) _____
- 18 What polymer was found on the seat behind the passenger (Exhibit #13) _____
- 19 What Polymer was found on the seat behind the driver (Exhibit #14) _____
- 20 What type of powder was found by the lab? (Exhibit #15) _____

SECTION 4: Analytical Thinking (2 Points Each)

Assuming that all 4 suspects headed for the car at the same time, from the same location, identify the following:

18 Who first sat in the Driver's Seat?

19 Who was the last to sit in the Driver's Seat?

20 Who sat in the front passenger's seat?

21 Who sat in the rear behind the passenger?

22 Who ended up in the rear seat behind the Driver?

23 Who got in the car first?

24 Who got in the car second?

25 Who got in the car third?

26 Who was the last to get in the car?

27 Who put something in the trunk?

28 Who actually wrote the note?

29 Who lost their copy of the note?

30 Who do you believe owned the Car?

25. Questions 18 through 30 could potentially have more than one correct answer. By providing a solid logic path within your essay, you may receive additional points even if your conclusions don't match those intended.

ESSAY ANALYSIS (10 Points Possible):