Group No: ____   Date: _____ Period: _____

Names of members:_____, _____, _____, _____

The Crime Scene – Hair as Evidence*

Scenario:

The victim in this case is Lily, the wife of a handsome industrialist who flirted (and maybe more) with three women, all of whom were madly in love with him (or maybe with his money). Each was sure that if he was not married, she would be "the one" for him.

Lily went out riding one spring day, but her horse returned to the stables without her. Her body was found at the edge of field. The autopsy revealed that her neck had been broken by a powerful blow with a blunt object. Evidence found in an examination of the crime scene suggested a struggle. Investigators sent Lily's clothing to the crime lab. They were especially interested in a wool sweater that yielded many hairs.

Lily was a brunette with long hair, recently cut. She had a cat and a dog. She owned hundreds of expensive shoes and many fur coats and flaunted her diamond jewelry.

Suspects in the case include Lily's husband's three girlfriends:

- Violet is a computer programmer who works for the census bureau. She has long, blonde hair. She enjoys sports, especially horseback riding. She rents a stall in Lily's stable.
- Daisy has a long black hair. It was recently cut. She is a nurse, and shares an apartment with Violet. Her cat is a thoroughbred Maine coon cat named Gloxinia. She is a member of the Society for the Prevention of Cruelty to Animals and has recently picketed a local store that selling fur coats. She went to high school with Lily.
- Rose is a brunette with long straight hair. She lives with her golden retriever and keeps pretty much to herself. Rose smokes Merit brand cigarettes. She is one of Lily's neighbors.

Procedure:

The CS investigators collected hairs from Lily's wool sweater and placed in an evidence bag. Use proper chain of custody practices to open and examine all the hair present in the bag under the microscope.

Source of Hair	Sketch Magnification: ____ x	Color, Medulla, Cuticle, Straight or Curly, and other characteristics.	Human Hair? (yes or no)	Possible Match
Victim				⊠

Source of Hair	Sketch **Magnification: ____ x**	Color, Medulla, Cuticle, Straight or Curly, and other characteristics.	Human Hair? (yes or no)	**Possible Match**
Crime Scene Hair #1				
Crime Scene Hair #2				
Crime Scene Hair #3				
Suspect 1				
Suspect 2				
Suspect 3				

Conclusion: Who did it? Or is there enough evidence to establish a definite connection to a suspect? If not, what more is needed?