

## Supplementary Evidence

Unfortunately, this lab has neither Bunsen burners nor microscopes – so here are the flame test results for powders, plastics, and fibers, as well as density information for the plastics and microscopic images of the fibers and hairs.

### Powders

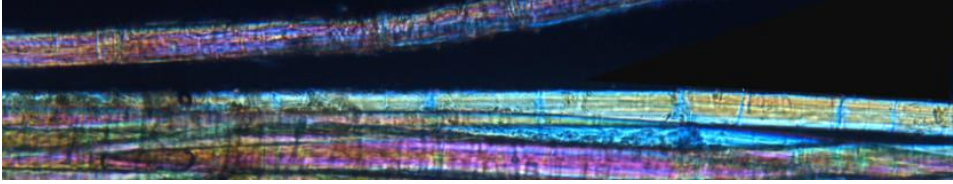
- A. Light orange
- B. No burn
- C. Hot pink
- D. No burn, smoke
- E. No burn, sparks
- F. Deep orange
- G. Light orange
- H. No burn, smoke

### Plastics

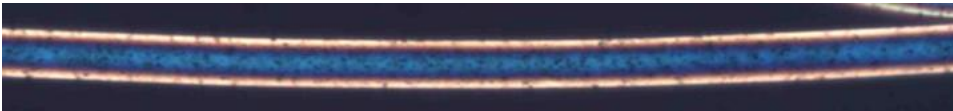
- I. Blue flame tipped with yellow, white smoke, drips flames  
Floats in 46% isopropyl alcohol, sinks in vegetable oil
- J. Yellow flame with green flickers, white smoke, self-extinguishes & chars  
Sinks in saturated NaCl solution (did not float in any common density solution)
- K. Orange flame, black smoke, self-extinguishes & produces soot  
Floats in saturated NaCl solution, sinks in 25% NaCl solution

## Fibers

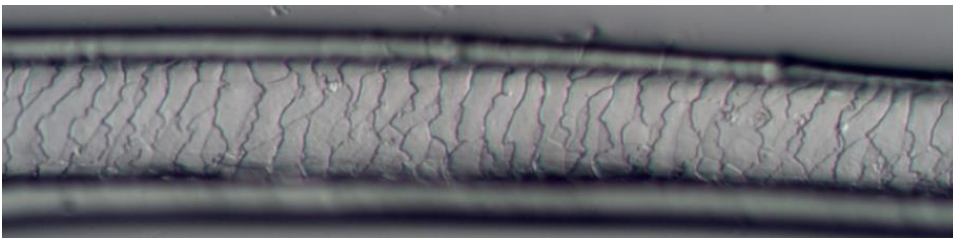
L. Produces sparks but no smoke, fluffy white-grey ash, smell of burning paper



M. Spidery yellow flames, shrinks & drips

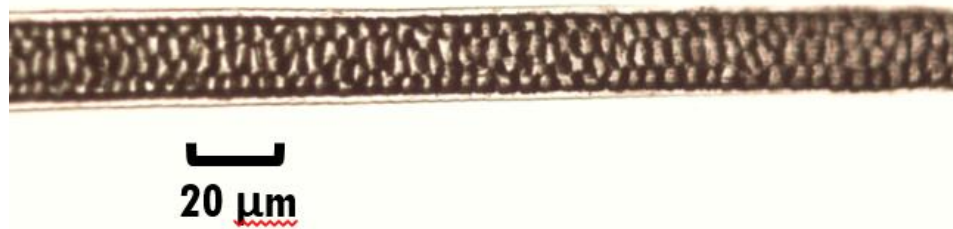


N. Spidery yellow-orange flames, dark ash, self-extinguishing, smell of burning hair

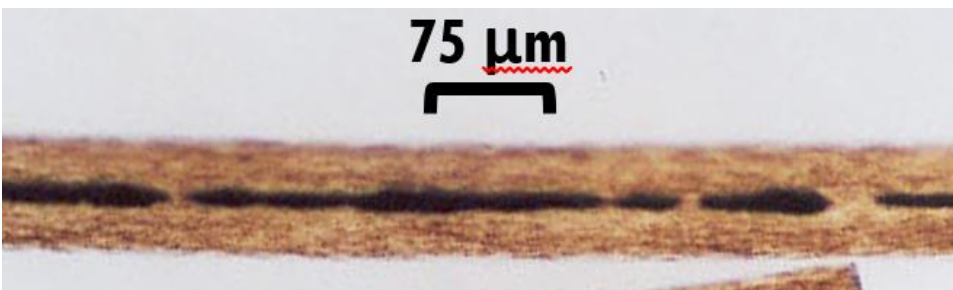


## Hairs

O.



P.



# Chromatography

Margaret

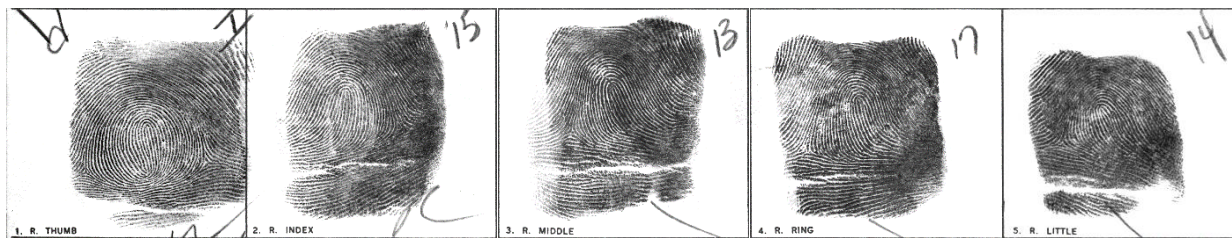


Andrea

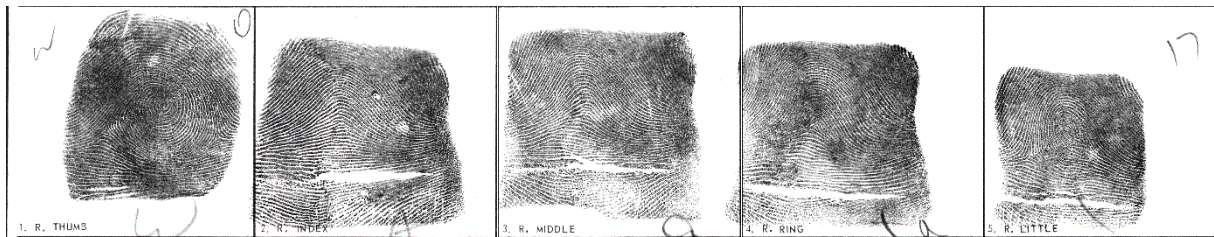


# Fingerprints

Andrea



Adam



Liz

