Science 6 Mr Wessner

Evidence and Investigation Study Guide

**EVIDENCE AND INVESTIGATION STUDY GUIDE**

**1A.) You must have a clear understanding of the difference between an Observation and an Inference.**

1. FINGERPRINTS

How can you tell if a print is an arch, loop, whorl or composite?

What procedure did we use to lift prints? (graphite and latent)

2. HANDWRITING

How do you tell a forgery from an original?

What characteristics do we analyze in a person's handwriting?

3.CHROMATOGRAPHY

What is it?

What procedure did we use in our chromatography tests?

What did we learn about the different colours of ink? (black)

4. FOOTPRINTS

What can you learn about a suspect by looking at their footprints?

What does it mean if the prints are: deeper in the front or back, farther apart, smudged etc.?

5. FABRICS

What are some different natural fibers?

What are some synthetic fibers?

What makes a fiber natural or synthetic?

What things can we test fabrics for?

6. HAIR SAMPLES

What are some similarities and differences between people's hair samples?

7. TIRE TRACKS

What are some similarities and differences between tire tracks?

8.) Soil Samples:

What are characteristics can you observe in soil samples?

9.) Vocabulary:

a.) Chromatography:

b.) Graphology:

c.) Classification:

d.) Evidence:

e.) Investigation:

f.) Pigment:

g.) Prediction:

h.) Porosity

1. Scenario:

j.) Solvent:

\*\*\* KNOW WHEN THESE TYPES OF EVIDENCE ARE USEFUL AS CLUES AT A CRIME SCENE AND WHEN THEY MIGHT NOT BE AS USEFUL. \*\*\*