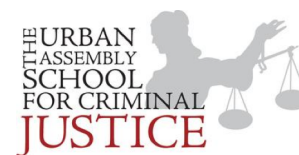Name: _____ Date: _____

Chemistry ~ Ms. Hart **Class:** Anions or Cations

3.2 Classification of Matter - Scavenger Hunt - _____/ **43**

Directions: Walk around the room and complete the chart below. Find three examples of each classification of matter.

Criteria for success:

1. **Accuracy of classification:** Correctly classifies the sample (1 pt. each)

2. **Observations:** Make at least two observations for each sample and correctly explain how that helped you determine it's classification based on characteristics from our notes (2 pt. each)

3. **Academic vocabulary:** Use the vocabulary given in your notes (Ex. Uniform composition, chemically bonded, physical/chemical separation, chemical formula etc.) (4 points)

4. **Conclusion:** Evidence from the lab is used to describe the difference for each distinction (3 points)

1) **Heterogeneous mixture**

Example	What did you observe to make you think that it is an example for this class of matter?

2) **Homogeneous mixture**

Example	What did you observe to make you think that it is an example for this class of matter?

3) **Element**

Example	What did you observe to make you think that it is an example for this class of matter?

4) **Compound**

Example	What did you observe to make you think that it is an example for this class of matter?

Conclusion/Reflection:
Use evidence from your lab to explain what the difference is between the following:
- A mixture and a pure substance
- An element and a compound
- A homogeneous mixture and a heterogeneous mixture.

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