Team Members:

***Mixture Separation Lab***

**Purpose:**

In this lab you will be given a mixture of sand, salt, and iron filings. Your objective is to practice important separation techniques to isolate the three substances.

**Materials:**

Beaker/Flask

Water

Magnet (keep in bag)

Hot plate

Filter paper

Filtration cups

“Original Mix”

Other cups

**Rules:**

1. Separate a substance from the mixture using only the provided equipment.

2. You can NOT touch the substance with your hands.

3. Place the separated substance in an empty white cup and show your separated substance to Mr. Le.

**Procedure for separation iron from mixture:**

**Procedure for separation sand from mixture:**

**Procedure for separation salt from mixture:**

**Conclusion Questions:**

1. Name one large difference between a pure substance and a mixture.

2. Name one homogeneous mixture, one heterogeneous mixture, and one pure substance in this lab.

3. What method did you use to separate each substance? (Name the method, no explanation needed).