

## Mixtures Lab:

### Objective:

1. Prove that mixtures can be separated by the individual substances differences in physical properties.
2. Practice writing a formal lab report

Procedures: You will decide on the procedures you will take to separate the mixture based on pre lab class discussion.

Background: Your mixture will contain sand, salt, and iron filings. Once you have completed the separation process I will give you the accepted value of the mass of each substance.

### Formal lab report rubric:

Intro: = 4 pts (just this time because we will come up with the introduction together)

Procedures = 3 points (should be in a numbered step manner)

Data = 6 pts (all data needs to be in a neatly labeled data table)

Calculations = 10 points

- all calculations must show work
- all numbers should be seen in your data table above
- each calculation should have a heading or be labeled as to what you are calculating
- % error must be calculated for each substance

Conclusion = 10 points (follow formal lab report conclusion requirements)