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10/3/23
Lab 2.3

Research question:

How can I separate a mixture into its original parts?

Introduction:

You can separate the sand, iron fillings, rocks, and salt from each other. You can use evaporation, Sieving, filtration, magnets, and certain hand tools, to separate different mixtures.

Procedure:

We first took the tweezers and plucked each colored rock from the mixture. Then we placed all the rocks away from the mixture. Then we used a magnet to separate the iron and placed it aside. Then we took the filter and placed it over the cup with the water and substance in it. The water filtered through and all that was left was just water and salt. Then we put the filtered water in a pan and boiled it until all that was left was salt.

Results:

It only took about 15 minutes to complete this lab. The procedure we used was successful. We Successfully separated everything.

Conclusion:

Can I separate mixtures into their original parts? The answer is yes. We made no errors. We used the right tools and cautiously used the tools in order not to redo anything that we had done right. A mixture, unlike an element, compound, or molecule, is a pure chemical substance. A mixture is made of two or more chemically pure substances that physically combine.