

Elements, Compounds and Mixtures Lab

By Ryan Colton

Research Question: How can we separate a mixture into its original parts? And what methods what we use by separating the elements

Mixture: Sand, Iron fillings, rocks, and salt

Introduction There are three major types of substances: Elements, Compounds and mixtures. An element is a pure chemical substance. A compound is a pure chemical substance made up of two or more different elements. A mixture is made of 2 or more different elements or compounds.

Procedures. First We used a magnet to get the iron fillings out of the mixture. Second we used tweezers and hand picked out all the big rocks. Next we poured salt and sand mixture into the coffee filter over water and stirred for one minute. Lastly we put the salt water in the pan ready to boil.

Conclusion: Different elements react to different tools and methods. For example sand needed a filter and water needed to boil and so on.. . .