

Anabel Paine
10/03/2023
Separating Mixtures Lab

RQ:

How can I separate a mixture into its original parts?

INTRO:

An element is the most simple and pure substance. Chlorine, carbon, and helium are examples of elements. A compound is a chemical combination of two or more elements. A molecule is also a chemically pure substance made of two or more atoms bonded together. A mixture is made of two or more chemically pure substances that physically combine.

1. We separated the rocks out of the sand using tweezers.
2. We used a magnet to get all of the iron fillings out of the sand mixture.
3. We poured the sand into the water to separate the salt from the sand.
4. We were supposed to filter out the salt and the sand and boil it but we didn't get to that step because we filtered it wrong and the sand got into the water that was clean.

To separate the mixture we had to use certain items. For separating the rocks from the sand we had to use tweezers. With the iron fillings, we had to use the magnet. The water helped us separate the salt from the sand because the salt floated. Lastly, the filter was supposed to help us separate the sand and salt from the distilled water but I did it wrong because I had nothing to hold the filter.