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Chemistry

## Separating a Mixture

**Research Question:** How can I separate a mixture into its original parts?

**Introduction:** You can separate a mixture by sieving, evaporating, filtration, magnetizing, by using hand tools, or floating. You need to think through a plan when separating mixtures and identify the elements of the mixture.

**Observations:** We separated the big and little rocks, then we used the magnet to separate the iron from the rest of the mixture. We then poured the sand and salt into a beaker and poured distilled water into the beaker and then we dissolved the salt. After we then used a coffee filter to separate the water and sand, we then put the water into a pot and boiled the water so it could evaporate. The salt began to splash on the insides of the pot as the water evaporated.



**Conclusion:** In conclusion you are able to separate a mixture based on the elements of it. If it has a magnetization you can use a magnet and if it doesn't you can boil or dissolve. You can also use hand tools such as tweezers or a spoon to separate the bigger parts of the mixture. The most common ways to separate a mixture is by sieving, evaporating, filtration, magnetizing, using hand tools or floating.