

Separating a mixture following flow chart directions.

In lab on Monday we will separate a simple mixture of salt (sodium chloride) and sand (silicon dioxide). You should make a flow chart and email it to Mr. Reimer before 8:00 Monday morning. Then print your flow chart and bring it to class with you to do the lab. Your flow chart should be made from the following narrative instructions:

Instructions:

In lab on Monday we will separate a simple mixture. To begin, measure 4 g of sand and add this to 4 g of salt. When you do this you will have a mixture of salt and sand. Add 4 mL of water to your mixture and stir well with a pencil. When it is well mixed, pour off the liquid into a new container. The liquid you remove will be salt water and what is left behind is wet sand. Cover the sand loosely and evaporate the sand to dryness. When you have done that you will have sand left. Do the same with the salt water. Cover the container loosely and evaporate to dryness. When the liquid is evaporated you will have salt remaining in your container.