

Answer on Question #79625 - Chemistry - General Chemistry

Question:

If you are given a bowl containing a mixture of 10 gram salt, 90 gram sand and 5 grams of iron filings. How would you proceed to separate the components of the mixture? Design an experiment and write a complete report.

Solution:

First, the magnet separates the iron lumps from the mixture. Then the remaining mixture is poured with water, and the solution is separated from the sand by the decantation method. Separate the salt from the remaining filtrate by evaporation.

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