

Separating mixtures



Background knowledge

Filtering removes insoluble particles from water (particles that do not dissolve). Salt is soluble in water, but sand is insoluble (it is not soluble). The water in a salt solution will evaporate if it is left uncovered. Rock salt is a mixture of salt and sand.

Science activity

Using the information above and the equipment shown below, explain how you would separate the salt in rock salt from its insoluble parts. You may add other equipment that is not shown here. You may want to draw a flow chart to show the steps in your procedure.



Draw your flow chart here:

Science investigation

A lot more matter would be recycled if it could be separated from a mixture. Try out your skills. Mix together some sand, aluminium paper clips, and pennies in a bowl (and anything else you want to add). Design a procedure to separate the mixture. Test out your procedure to see if it works.