

## Year 5 Science homework – Separating materials

A local supermarket has had a disaster!  
Lots of their goods have got mixed up after a delivery truck was loaded up incorrectly.  
The manager of the supermarket has asked for your help in separating all the items so that they can be put out on the shelves.  
Have a look at the jumbled up materials and think about how they have been mixed together.



### Mixed Materials



1. A suspension  
- a mixture of a  
liquid and solid  
particles that  
will not  
dissolve.

2. A mixture of  
two solids.

3. A solution - a  
solid dissolved  
in a liquid.

4. A mixture of  
two solids.

A. Sand and  
water.



B. Raisins and  
flour.



C. Paper clips  
and rice.



D. Salt and  
water.



**Your challenge:** Can you think of the properties of these materials? Using what you know about them, how could you separate the 4 different mixtures so that the shops has the individual items that can then be sold?

Write down your solutions. Ask an adult to help with this one.