MIXTURES OF MATERIALS
FILTERING

Did you know that: INSOLUBLE SOLIDS CAN BE SEPARATED FROM LIQUIDS BY FILTERING ?

Well, they CAN and this is what you need to remember from today's science work.

YOUR TASK

Aim: to make and then separate a mixture of sand and water. (Copy down your aim in your science books).

1. Predict what will happen when a mixture of sand and water is filtered. (When a sand and water mixture is filtered, I think . . .).

2. Make a sand and water mixture (use the smallest measuring spoon of sand).

3. Using a funnel, filter paper, containers and your mixture, see if you can separate the sand and water.

4. Draw a labelled diagram to show what you used and what you did. Remember, diagram in pencil, labels in pen.

5. Under the heading Results, write down what happened in your experiment.

6. Under the heading Conclusions, write down what you found out. (I found out that it was possible/impossible to separate an insoluble solid from a liquid by filtering).

Brain teasing questions

1. Name 2 filters found in car engines.
2. Where might you find a filter in a kitchen?
3. Can you think of any other uses of filters?
4. If you filtered a salt solution, what would happen?
5. If you filtered a sugar solution, what would happen?