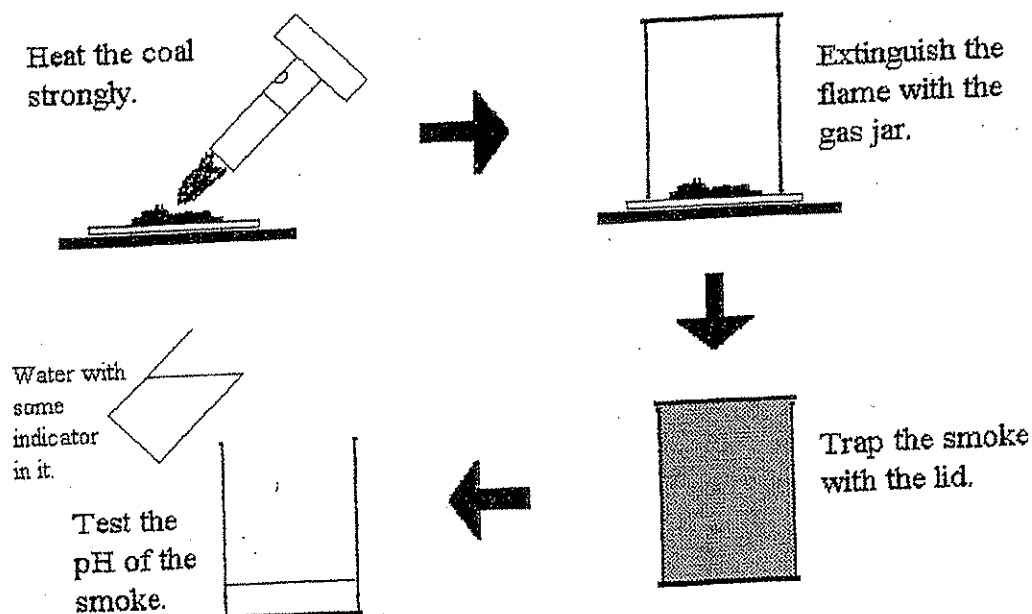


Pollution Card 3

Acid Rain



Carry out this experiment:



1) What do your results suggest about the gases produced when coal is burned?

2) Copy this information

Coal (and other fossil fuels) contains sulphur as an impurity. When sulphur is burned **sulphur dioxide** gas is produced. This produces an acid solution when dissolved in water. Sulphur dioxide pollution from factories and vehicles dissolved in rainwater is called acid rain.

3) Find out **two** effects of acid rain.

4) Extension.

Look at page 155 of Chemistry For You

(i) Which acid is likely to be present in acid rain?

(ii) Suggest a series of reactions (word **and** symbol equations) that could result in the formation of this acid in the atmosphere.