

## Comparing iron, sulfur and a mixture of the two

You will be given samples of sulfur powder, iron filings and a mixture of the two.

For the samples in the plastic sample bottles:

- look at each with a magnifying glass
- run a magnet over each of the bottles.

With the samples in small test-tubes:

- warm each sample gently with a small, non-luminous Bunsen flame
- add a little dilute sulfuric acid and warm gently.

On the table

- make a note of your observations
- draw picture diagrams of iron, sulfur and the mixture.

