

Comparing chelated and non-chelated micronutrients

Teacher and technician sheet

Equipment and materials

Each student or pair of students will require:

- Test tubes (6)
- Dropper pipettes
- 0.1 mol dm⁻³ iron(III) chloride solution
- 0.1 mol dm⁻³ sodium iron(III) EDTA
- 0.1 mol dm⁻³ sodium hydroxide solution
- 0.1 mol dm⁻³ sodium fluoride solution
- 0.1 mol dm⁻³ potassium thiocyanate solution

Make sure students wear eye protection. 0.1 mol dm⁻³ iron(III) chloride and sodium hydroxide solution are irritants and 0.1 mol dm⁻³ solution of sodium fluoride is harmful.

Students might also find out more about the use of metal chelates as suppliers of metal micronutrients.