

Map of the unit: Aspects of Agriculture

This shows the relationship between the Storyline, the Activities and the Chemical Ideas.

To aid planning, laboratory-based practical work is indicated by (P), activities involving IT skills are indicated by (IT) and those developing study skills by (S).

| ACTIVITIES | CHEMICAL STORYLINE | CHEMICAL IDEAS |
|--|--|---|
| | AA1 WHAT DO WE WANT FROM AGRICULTURE? | |
| AA2.1 How does temperature affect the rate of a reaction? (P) | AA2 THE WORLD AT YOUR FEET | 10.2 <i>The effect of temperature on rate (revision)</i> 10.3 <i>The effect of concentration on rate (revision)</i> 5.2 <i>Molecules and networks (revision)</i> 5.6 Bonding, structure and properties: a summary |
| AA3.1 What is the nitrogen content of soils? (Optional extension) (P) AA3.2 The nitrogen balance in UK agriculture AA3.3 Revising for end of course exams (S) | AA3 KEEPING SOIL FERTILE | 9.1 <i>Oxidation and reduction (revision)</i> 11.3 The p block: nitrogen and Group 5 7.3 Equilibria and partial pressures 10.4 <i>What is a catalyst? (revision)</i> 10.5 <i>How do catalysts work? (revision)</i> |
| AA4.1 Dilemma over malaria (IT) AA4.2 Partition equilibrium (P) AA4.3 What makes an active pyrethroid? | AA4 COMPETITION FOR FOOD | 3.5 <i>Geometric isomerism (revision)</i> 3.6 <i>Optical isomerism (revision)</i> 7.4 Partition equilibrium 13.5 <i>Esters (revision)</i> |
| AA5 Check your notes on Aspects of Agriculture (S) | AA5 SUMMARY | |