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# 5

### Technique

#### Pattern scattergram

Linking through categories is an effective way of making sense of information; add in the visual elements of colour and patterns and you have a powerful means of remembering.

- 1. Cut several index cards into quarters.
- On each card, write a keyword or phrase from the topic you are studying. Think of as many as possible and then check through your notes to make sure you have all the important ones.
- 3. When you have finished, group the cards on the floor in categories and give each category a name. As you do this, explain (out loud) to yourself the relevance of each keyword being under that heading. Continue to do this until every card is grouped and visible within a category. Don't worry about making the groupings neat; their shapes should help you remember them.
- 4. Now put the title of the topic you are studying in the middle of a sheet of paper and copy down each category title with its keywords. Make each grouping a different colour.
- Look at the sheet, then close your eyes and try to picture the shapes with all the words and colours.
- Later, take a blank piece of paper and try to draw out the same pattern scattergram, explaining to yourself once again each keyword's relevance and reason for being in that category.
- You may later be able to subdivide the categories further to extend your revision.

### **Application**

In the example below from organic chemistry, a senior chemistry topic, aliphatic hydrocarbons can be divided into these four groups. Any of the groups can then be examined in more detail by placing them at the centre of other pattern scattergrams with their own categories around them.

