1. Explain each term in your own words:

**a** soluble **b** insoluble **c** aqueous solution

1. Look at the table on slide 13.
2. Which substance in it is the most soluble?
3. About how many times more soluble is this substance than potassium sulfate, at 25 °C?
4. The substance in a gives a colourless solution. What will you see if you add 300 g of it to 100 g of water at 25 °C?
5. What will you see if you heat up the mixture in c?
6. Now turn to the table at the top of page 160.
7. Name two metals that have no insoluble salts.
8. Name one other group of salts that are always soluble.
9. See if you can give three examples of:
10. solids you dissolve in water, at home
11. Insoluble solids you use at home.
12. Name two solvents other than water that are used in the home. What are they used for?
13. Many gases dissolve in water. Try to give some examples.