



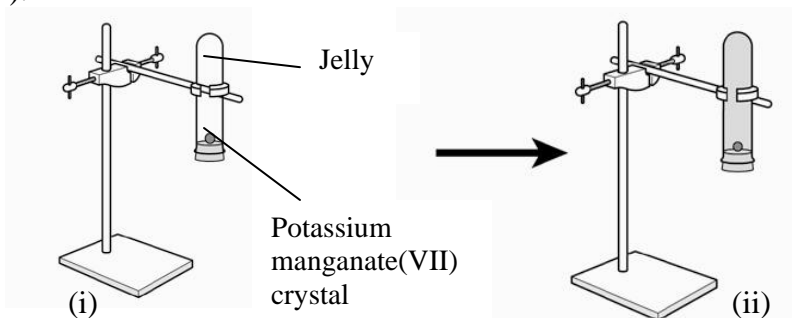
CHAPTER 2: THE STRUCTURE OF THE ATOM



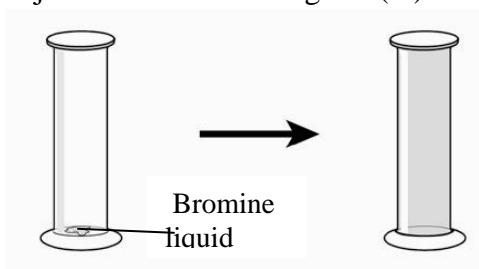
Extra Practice

Written practical test

- 1 A small crystal of potassium manganate(VII) is placed in an inverted test-tube containing jelly as shown in diagram (i). After a few days the condition of the jelly is as shown in diagram (ii).



In another experiment, a few drops of bromine liquid are placed in a gas jar and then a gas jar is covered as shown in diagram (iii). After a few minutes, the condition of the bromine in the gas jar is as shown in diagram (iv)



- (a) Devise a table to record the observations of the two experiments. [6 marks]
- (b) Name the process that is involved in both experiments. [1 mark]
- (c) State the following variables:
(i) Fixed variable
(ii) Manipulated variable
(iii) Responding variable [3 marks]
- (d) Suggest a hypothesis for this experiment. [1 mark]
- (e) What can you infer from the two experiments? [2 marks]