

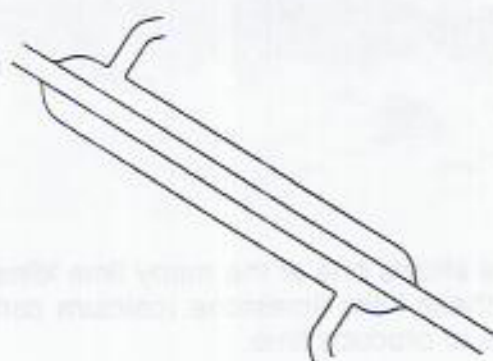
1. Of the gases carbon dioxide, hydrogen, nitrogen, sulphur dioxide and oxygen which

- a. is formed when a candle burns .....
- b. reignites a glowing splint .....
- c. dissolves in water to give a solution with a pH of about 2 .....
- d. turns limewater milky .....
- e. burns with a squeaky pop .....
- f. is formed during photosynthesis .....

g. Is there most of in the room in which you are sitting? ..... (7)

3. Beer consists of between 3% and 5% of ethanol in water as well as containing a variety of other substances which give it its characteristic flavour.

- a) Complete and label the diagram of the apparatus you would use to obtain some impure ethanol from beer. A Liebig condenser has already been drawn for you.



(5)

- b) Add arrows to show the direction of water flow in the condenser.

(1)