1. 1. These steps are related to an investigation about the effect of carbon dioxide on starch production but the order is not correct. Rewrite the steps in the correct order. (There is one mark for each pair of consecutive steps ordered correctly.)
      * + Put transparent bags on both flower-pots sealed with elastic bands.
        + Two similar plants in flower-pots are put in the dark for two or three days.
        + Put sodalime on one flower-pot. Sodium hydrogencarbonate solution on the other.
        + Leave the flower-pots in the sun for a few hours and then test the leaves from both the plants for starch. [3]











* 1. Explain why the plants were kept in darkness for two or three days? [1]

* 1. Sodalime absorbs carbon dioxide. Sodium hydrogencarbonate solution produces carbon dioxide. The leaves of which plant will contain starch? [1]

**SOLUTIONS**

Q1a:

Two similar plants...

Put sodalime...

Put transparent bags...

Leave the flower-pots in the sun...

Q1b:

Without light the plants cannot photosynthesize.

This makes the leaves become free of starch.

Q1c:

The leaves of the plant with sodium hydrogencarbonate solution will have starch.