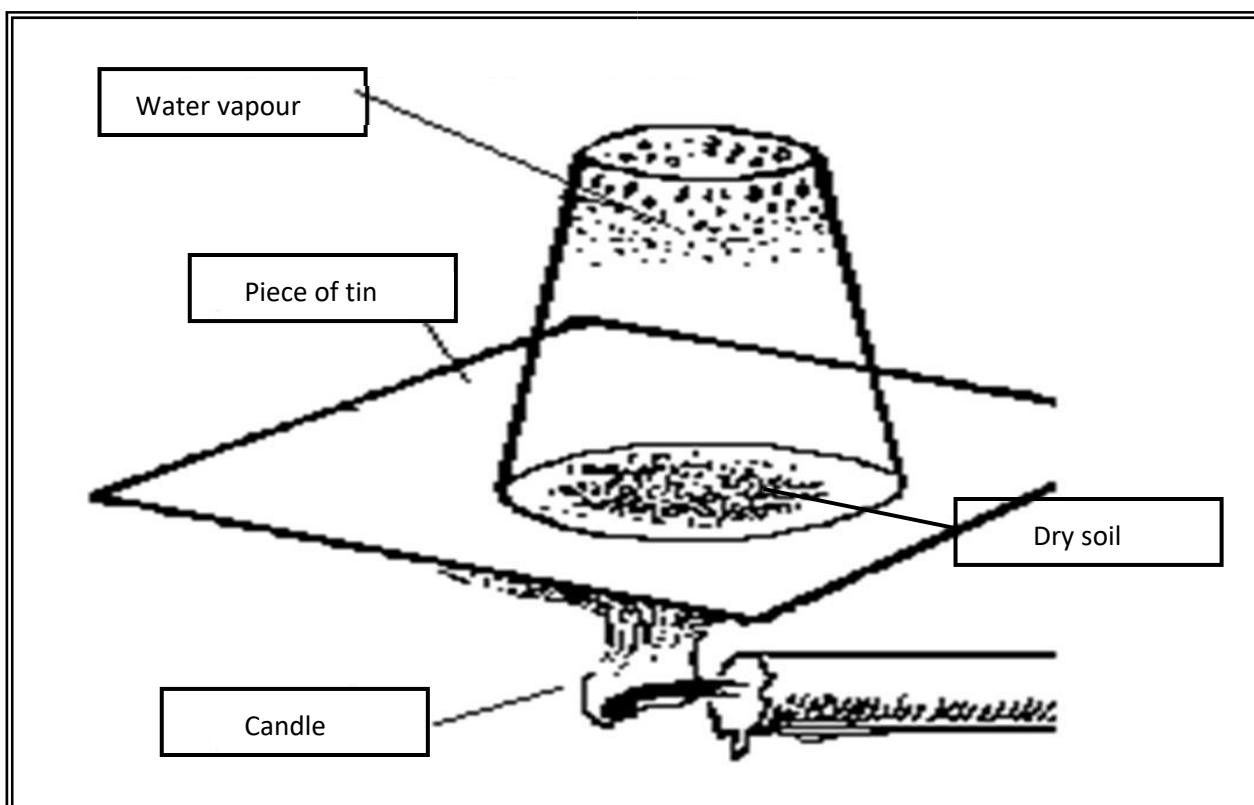


RISHIKUL SANATAN COLLEGE
YEAR 9 AGRICULTURE SCIENCE
WORKSHEET 2 (SHORT ANSWERS) - SOIL

(a) The diagram below illustrates an experiment which was set up by a group of Agricultural Science students.



Source: Adapted from www.uq.edu.au

(i) State the aim of the experiment.

(1 mark)

(ii) Explain what the students concluded from this experiment.

(2 marks)

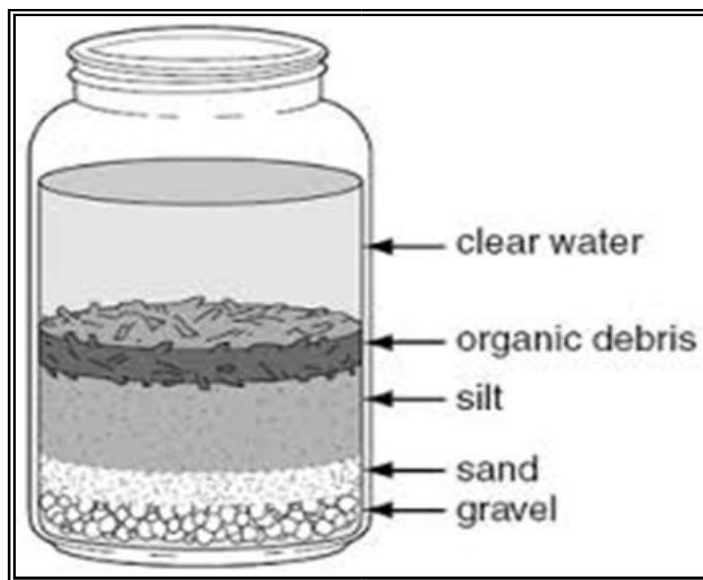
(b) Describe **one** importance of organic matter to the soil

(2 marks)

(c) Explain **one** way in which farmers can ensure that the water content of a soil is suitable for plant growth.

(2 marks)

(d) The diagram below illustrates the result of an experiment conducted by a group of Agricultural Science students.



Source: <https://encrypted-tbn0.gstatic.com/images?>

Explain what the students observed after the experiment given in the diagram.

(2 marks)

(e) Explain **one** importance of studying the soil profile.

(2 marks)

(f) Explain **one** relationship between drainage and crop growth.

(2 marks)

(g) Describe **one** way in which farmers can ensure that the soil air content is suitable for plant growth