

SCIENCE EXERCISE SET A (UNIT 4 : PLANTS RESPONSES TO STIMULI)

UNIT

4

PLANTS

THEME: Life Science

PBD MODULE

DSKP PRACTICE

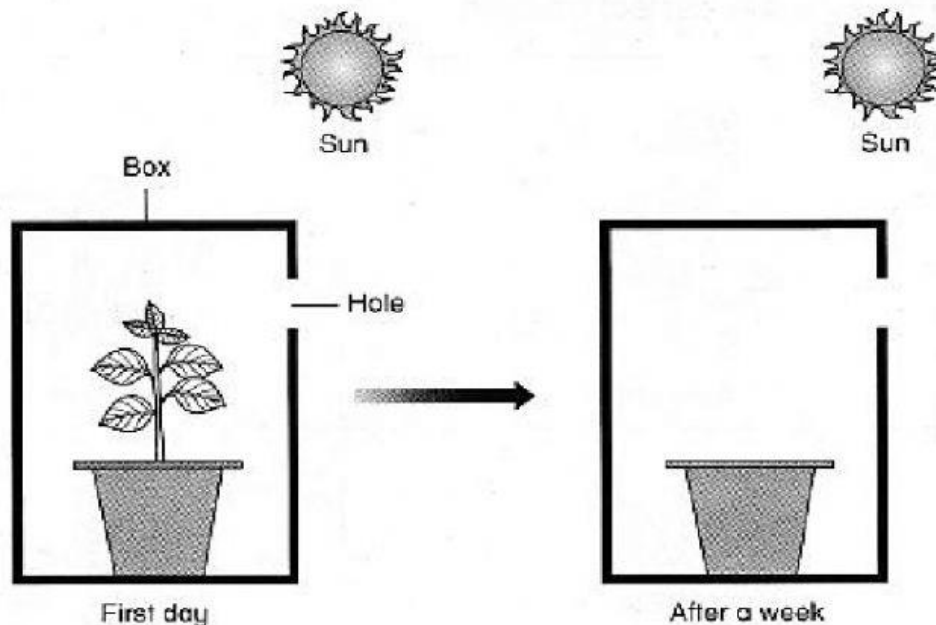
Plants Respond to Stimuli

I. (a) Plants respond to stimuli. LS4.1.1

PH1 i. List the parts of plants that respond to stimuli.

ii. What types of stimuli are involved?

(b) The diagram below shows an experiment carried out by a group of students. LS4.1.2, LS4.1.3



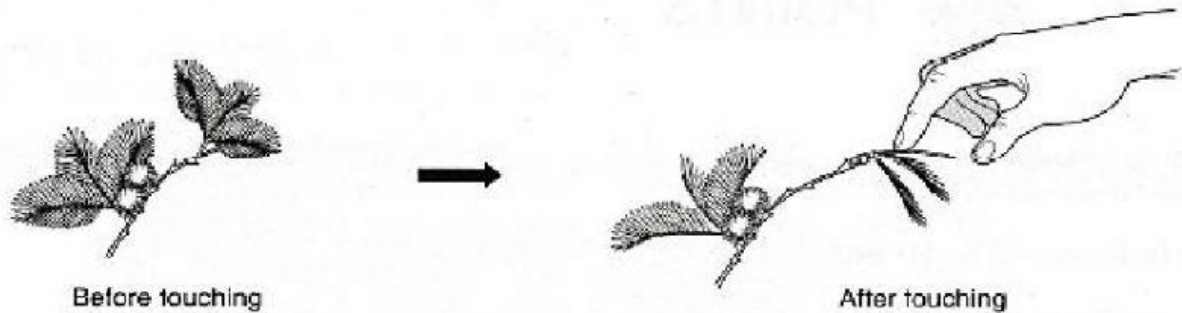
i. Sketch the condition of the plant after one week. Label it.

PH2 ii. What conclusions can be made from this investigation?
Tick (✓) in the correct box.

The plant responds to touch.	
Plants respond to sunlight.	
Plants respond to gravity.	

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2. The diagram below shows a boy touching the mimosa leaves. (S4.1.3)



(a) i. What happens to the mimosa leaves?

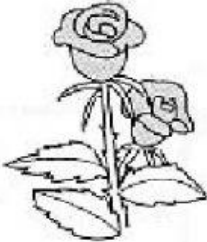
RE1 The leaves will _____.

ii. What can be proven in this activity?

RE2 The plant responds to _____.

(b) i. Which plant responds in the same way as mimosa leaves?

RE3 Tick (✓) the correct answer.

 Rose plant	 Venus flying trap
 Aloe vera	 Pineapple plant

ii. What happens if insects settle on the plant you are stated in (b)i.?

This plant will _____.

iii. State the form of stimulation shown by this plant.
