

SCIENCE: Sample Item**Questions 3**

This item has the following characteristics:

Strand: Living Things, Life Processes and the Environment

Objectives: Investigate the importance of light energy to plants

Science Practice: ScP8. Obtaining, evaluating, and communicating information

Item Type: Table Grid

About this Item Type: This item type presents a partially completed table for the student to tick (✓) his/her answer in each of the empty cells in the table.

The table shows the result of an investigation in which a student tried to determine the effects of light on plant growth.

The student placed each of 5 pea plant seedlings in sunlight for fixed times each day. The student measured and recorded the height reached by each pea plant at the end of 5 weeks.

Pea Plant Name	Time Exposed to Sunlight each Day (hr.)	Plant Height (cm)
Plant A	1	7
Plant B	4	19
Plant C	6	30
Plant D	9	29.8
Plant E	11	29

Based on the results, indicate using a tick (✓) whether the following statements are **supported** or **not supported** by the results of the investigation?

Statements	Supported	Not Supported
Less than 4 hours of sunlight per day will minimize plant growth		
The amount of sunlight a plant is exposed to each day will NOT affect its growth.		
A plant exposed to 12 hours of sunlight per day for 5 weeks should likely reach a height above 31cm		