

Name: _____

Date: _____

Aim: Graphing Introduction: What do I already know?

Directions: Read the information below and perform the activities in numbers 1 through 3.

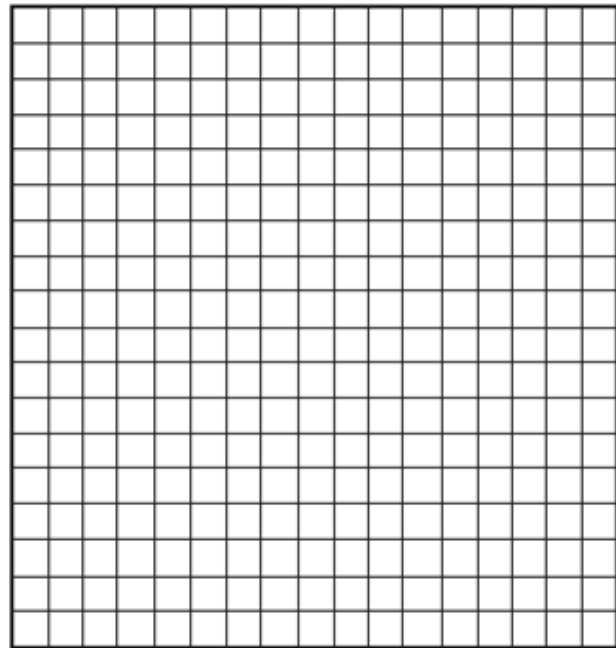
In an investigation, plants of the same species and the same initial height were exposed to a constant number of hours of light each day. The number of hours per day was different for each plant, but all other environmental factors were the same. At the conclusion of the investigation, the final height of each plant was measured. The following data were recorded:

8 hours, 25 cm; 4 hours, 12 cm; 2 hours, 5 cm; 14 hours, 35 cm; 12 hours, 35 cm;
10 hours, 34 cm; 6 hours, 18 cm

Effect of Light Exposure on Plant Growth

Data Table

Daily Light Exposure (hours)	Final Height (cm)



- 1 Organize the data by completing both columns in the data table provided, so that the hours of daily light exposure *increase* from the top to the bottom of the table.
- 2 Label each axis & mark an appropriate scale on each axis.
- 3 Plot the data for final height on the grid. Surround each point with a small circle and connect the points.
- 4 What is the relationship between light exposure and plant growth?

Complete this after going over the graph as a class.
Mistakes I made: