

Title: To investigate the relationship between the extension of a spring and the applied force (OP6)

Student Name: _____

Other students in Group: _____

Preparation and planning

Apparatus/resources needed _____

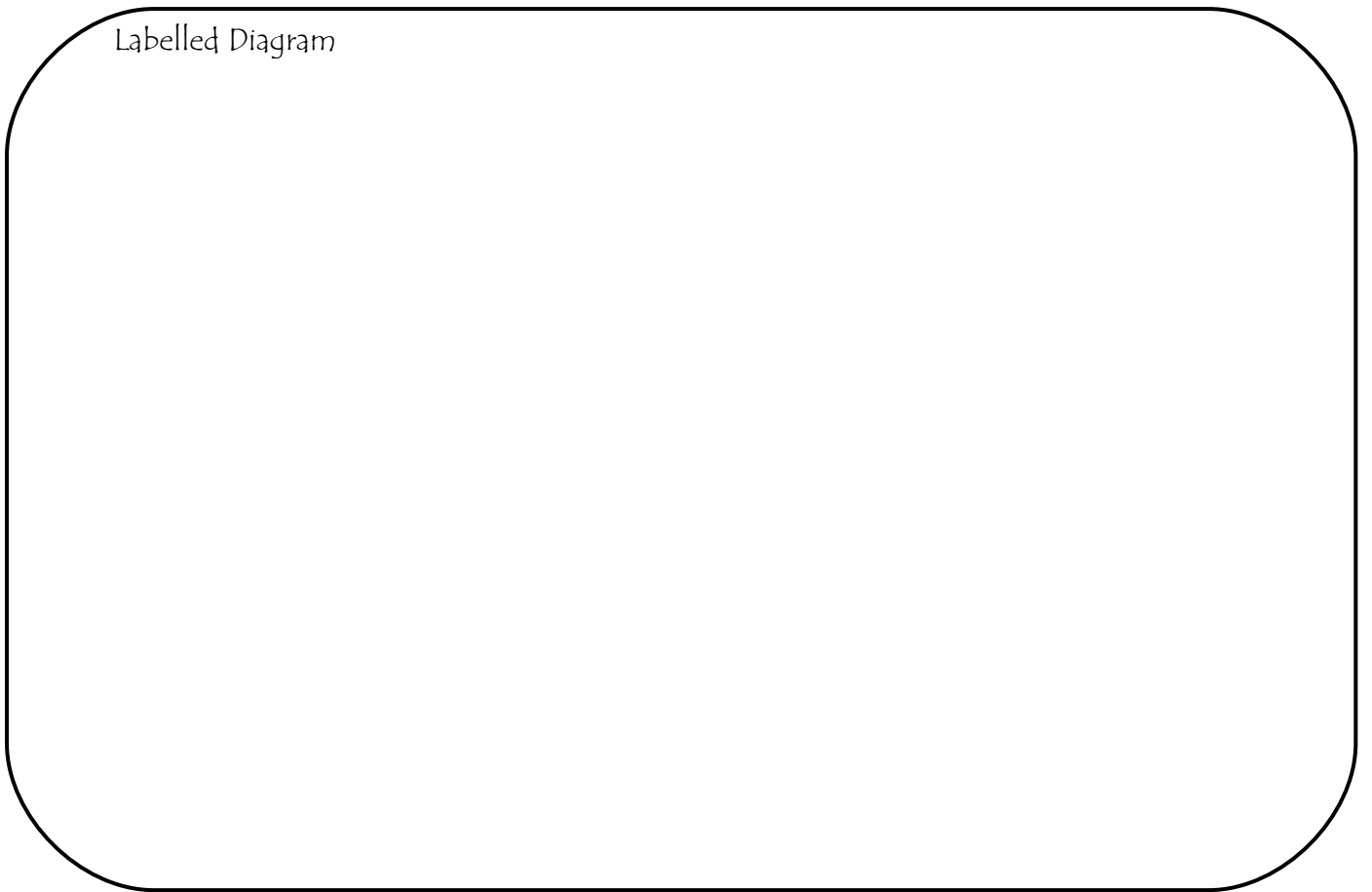
What will I change (independent variable) during the experiment _____

What do I expect will change (dependent variable) with the above? _____

What will I keep constant (not change)? _____

Procedure

Labelled Diagram



Outline of method _____

Safety Precautions taken _____

Data, Results and Conclusions

Applied force (N)	Extension (cm)

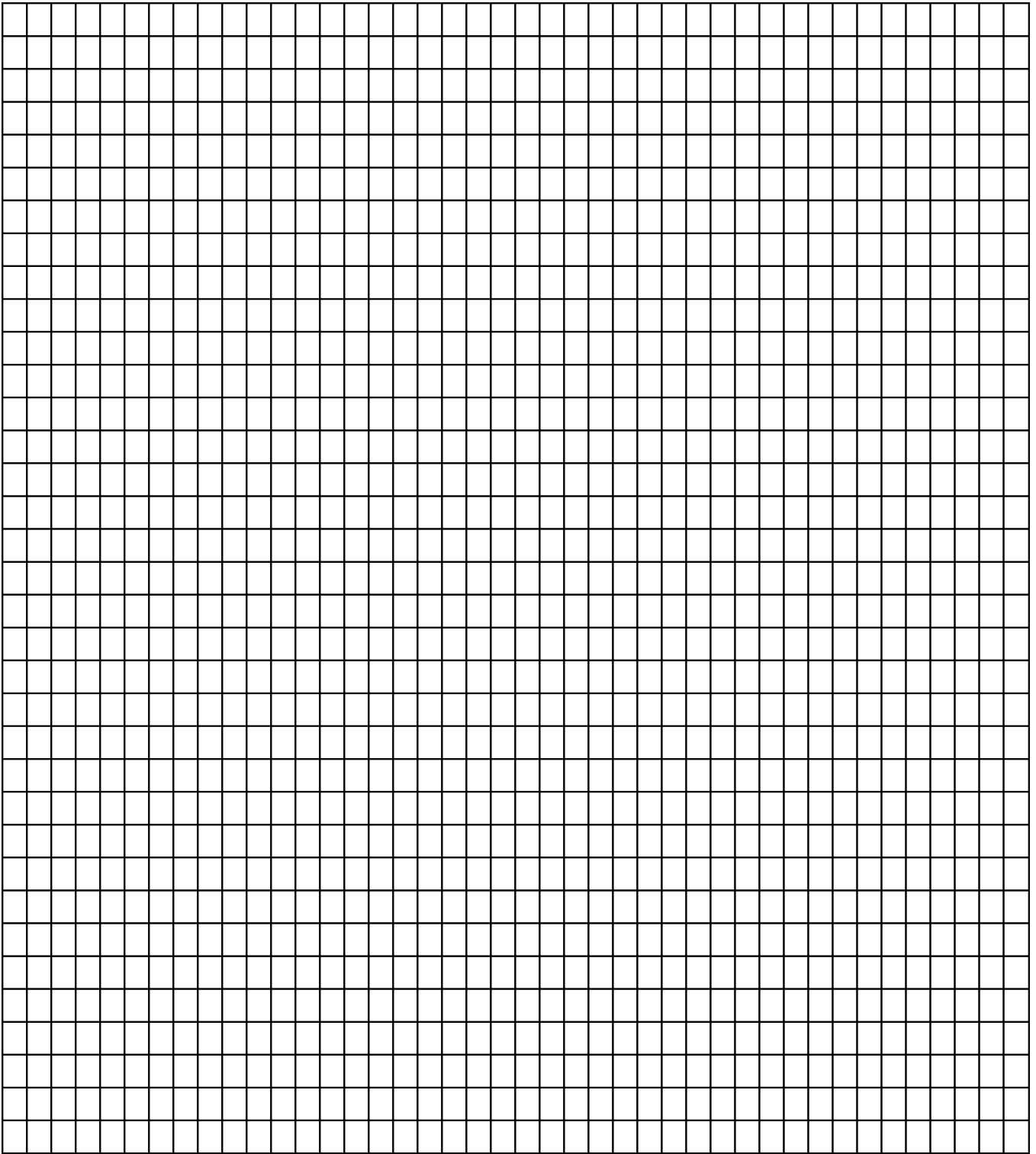
Graph the above data on the next page. Put force on the horizontal (x) axis & extension on the vertical (y) axis.

Describe the graph of the above data. What does it tell us about the relationship between the force you apply to the spring, and the amount it extends? _____

What is Hooke's Law? _____

General comment/recommendations _____

Graph of Force versus Extension of Spring



Teacher Name: _____

Date of completion: _____

Student signature: _____