Name: _____ Date: _____

Science 9: Experimental Design Organizer

Question

_____

What do you think will happen? Why?

_____

_____

What will you change? (Independent variable)

_____

What will you measure? (Dependent variable)

_____

How can you measure the dependent variable?

_____

In what units? _____ How often? _____

List some variables you need to control. (What needs to stay the *same* in each trial?)

_____ _____

_____ _____

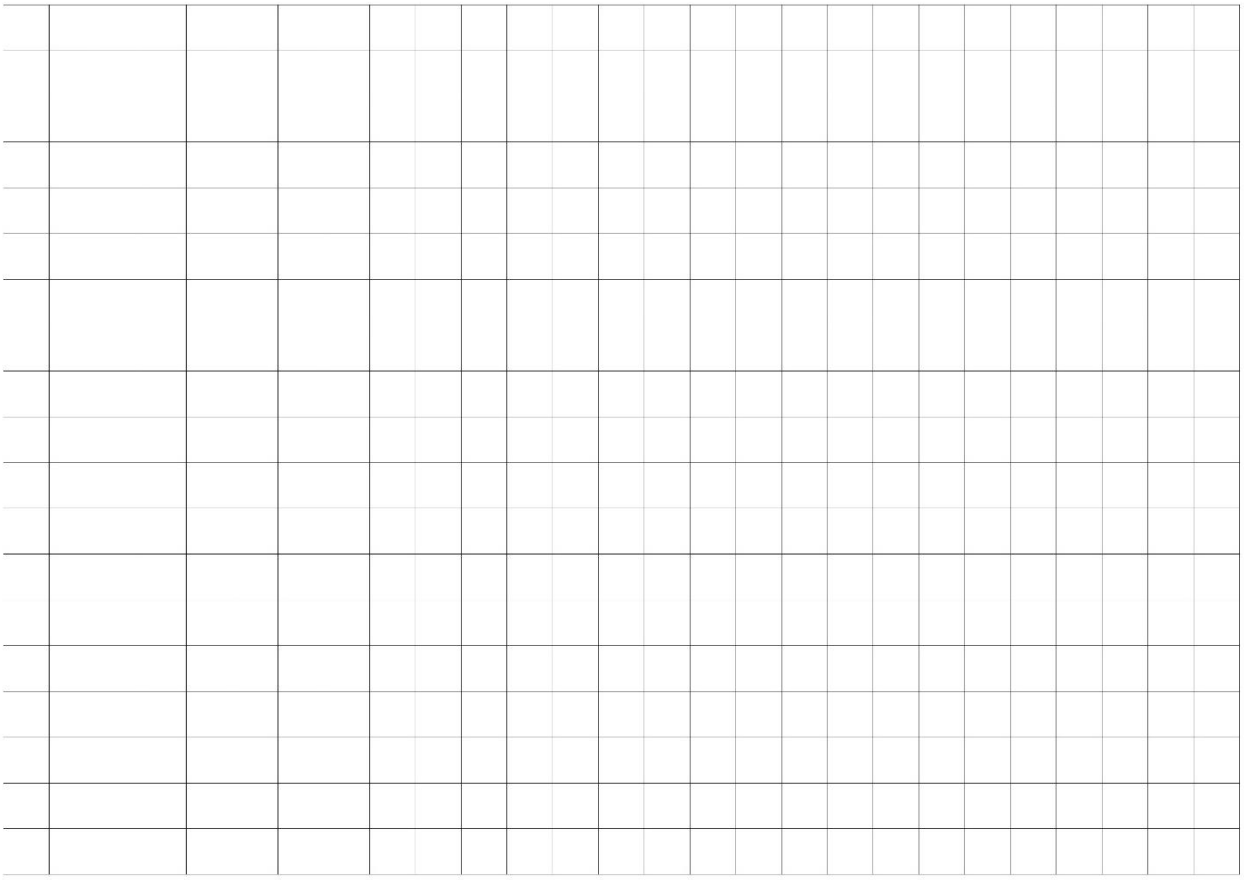
_____ _____

Fill in the data table below with measurements from your experiment:

	Dependent Variable: _____			
Independent Variable _____	Trial 1	Trial 2	Trial 3	Average

Name: _____ Date: _____

Make a graph to show your results. Use the appropriate type of graph for what you are trying to show!



What trend does your graph show you? Explain why.

_____

_____

What *sources of error* were there in your experiment? List two. Remember that sources of error are things that are *out of your control* that affect how accurate your measurements are.

_____

_____

If you were going to do this experiment again, what would you improve? OR, how would you improve or expand your data?

_____

_____

Write a one sentence conclusion that answers your original question.

_____

_____