Experimental Design Form

Name(s): _____ Date: _____

Model name: _____

Question
What is your question?

Variables
What are the dependent and independent variables in your experiment?

Range
What is the range of values you will use for each variable?

Trials
How many trials will you run at each setting? Why?

Prediction
What effect do you think the changes you make will have on the model?

Data Collection
What data will you collect?

Data Analysis
How will you analyze your data? (i.e. look for patterns, compare final values, look at the graph)

Interpretation
What is the answer to your question? How does the analysis of your data help you answer your question?