

TAG - Experimental Design Learning Targets

Use the table below to keep track of your learning of each of the sub-targets. Place a check mark in the appropriate column. If you do not place a check mark in the “M” column, you should determine what the necessary next step should be to “master” that target (re-read the book/class notes, see the teacher, go to the Point, etc.). ALL sub-targets should have an “X” in the “M” column PRIOR to you taking the quiz/test!

M - Indicates that you have “**m**astered” the learning target.

P - Indicates that you have “**p**artially **m**astered” the learning target, but need to PRACTICE to work toward complete mastery.

NY - Indicates “**n**ot **y**et.” You have not yet addressed the learning target.

You can use the notes section below to write down questions you have, or ideas to help you remember the concepts above.

General Topics: Independent Variable, Dependent Variable, Control, Constants, Data Analysis, Claims, Evidence, Conclusions

M	P	NY	Learning Sub-Targets
			1. I can design and experiment that has variables that can be manipulated to test a hypothesis (2a, 2b)
			2. I can collect and analyze the data and use the evidence to support a conclusion. (2c, 2e)
			3. I can organize and properly display data using the correct type of graph / data table and use the data to support my conclusion. I know that the independent variable is on the X-axis and the Dependent variable is on the Y-axis. (2d)
			4. I can describe the relationships between the control, constants, independent variable and dependent variable in an experiment.

Essential Questions: How can a properly designed experiment solve a problem?

Notes: