Name:_____

Lemon Peppered Moth Natural Selection Simulation

Project Components:

___ Background Information   ___ Data Collection   ___ 3 Pie Charts   ___ DSET

Project Rubric:

#	Outcome	NY	MS	ES
3	I can view and read scientific information in reliable reference books, magazines, and computer databases while **discerning** relevant details and patterns.	I struggle with making explicit connections between the questions being asked (my research) and information provided in the reading article(s).	I am able to accurately identify and explain relevant information that is related to the questions being asked or my research information.	MS Criteria **AND** I am able to consistently provide explanations using my own language and the language of the researchers to demonstrate a high understanding of the connections between my question and the research.
5	*I can **communicate conclusions** that explain scientific models and theories by using scientific evidence, data and analysis.*	I am unable to provide a scientific conclusion that includes: __ A claim that relates to my lab question __ Specific lab data or evidence that supports my claim __ Scientific Research that supports or explains my claim and evidence	I have provided a scientific conclusion that includes: __ A claim that relates to my lab question __ Specific lab data or evidence that supports my claim __ Scientific Research that supports or explains my claim and evidence	MS Criteria **AND** My Scientific Research is written with a blend of scientific information and my own words in such a way that I am able to demonstrate a strong understanding of my researched information.
10	*I am able to explain factors that affect traits appearing in a given species' population (Natural Selection)*	I struggle to provide accurately examples or explanations that affect changes in a species' population.	I am able to consistently provide examples or explanations of factors that affect changes in a species' population, such as: Food Sources, Habitat Changes, etc.	I am able to consistently provide unique examples or explanations of factors that affect changes in a species' population that are NOT mentioned in by the teacher