Egg Drop Project
Data Values to get from the Test Drop with the "Crash Test" Egg (full mass egg).

Name _____

Mass of Empty Drop Vehicle (g)	
Mass of "Crash Test" Egg (g)	
Time of impact (s)	
Time when settled after impact (s)	
Velocity at impact (m/s)	
Did the vehicle reach terminal velocity?	
Maximum acceleration during impact (m/s^2)	
Maximum force on egg during impact (N)	
Height of bounce, if any (m)	
Average acceleration during fall (m/s^2)	
Initial Height of Drop (m)	
Max GPE just before the drop (J)	
Max KE just before impact (J)	
Momentum Just before impact (kgm/s)	
Momentum Just after impact (kgm/s)	
Impulse during impact (kgm/s)	
Duration of impact (s)	
Average Force during impact (N)	
Graph F_{Air} $vs. t$ for the test run	
Extra Credit: Work against Air Resistance During the Fall (J)	

Provide some working (can be screenshots showing graphs and values on those graphs) for each value.