NAME		DATE
Scenario Angela has a battery and an electric motor that can be used to raise boxes up from the ground to a height h. She wishes to determine if the amount of electrical energy delivered by the battery is the same as the amount of gravitational potential	EMF =	electric motor
energy gained by the box-Earth system.		[
i. What measurements must be made to answer this question?		
ii. What equipment will be used to make thes	se measurements?	

iii. In the diagram above, draw in wires along with each piece of equipment listed to show how

measurements would be made.

11.N Circuits Experimental Design

PART B:	Explain how the measurements would be used to answer the question.		
PART C:	Angela finds that after several trials, the energy delivered by the battery is always noticeably greater than the gravitational potential energy gained by the box-earth system. Give a physical reason for this.		