FLINN SCIENTIFIC

Name_____

Data Table

Build a Dry Cell Battery

	Current	Voltage	Optional Experiment Observations
			DC Motor
Preliminary Dry Cell Battery			
Compressed Dry Cell Battery			
Two Batteries in Series			
Two Batteries in Series, Compressed			
Two Batteries in Parallel			
Two Batteries in Parallel, Compressed			

Post-Lab Questions *(Use a separate sheet of paper to answer the following questions.)*

1. Define oxidation. What substance in the Dry Cell Battery is oxidized?
2. Define reduction. What substance in the Dry Cell Battery is reduced?
3. What is the purpose of the saturated salt solution?
4. Describe the flow of electrons through the dry cell battery and motor circuit. What part of the battery is the anode and what part is the cathode? Refer to the *Background* section.
5. What happened when the dry cell battery was pressed down? Explain.
6. How did the voltage and current change when two batteries were connected in series? What happened when the batteries were compressed?
7. How did the voltage and current change when two batteries were connected in parallel? What happened when the batteries were compressed?