

Experiment 9: Mg – Salt Water Activated Battery-Effect of Salt Concentration on Voltage generation

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Slot: L11-L12

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Observation Table:

Cell Voltages/Volts					
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6
1.52	1.51	1.53	1.51	1.52	1.53
Voltage of battery when all six cells were connected in series : 9.12V					

Note: The recorded voltages should be **1.52V (nominal)** for each cell
The battery voltage should be **9.12V (nominal)** when six cells are in series

Observed Results:

- The voltages of the individual cells were recorded. The voltage ranges were 1.51V to 1.52V.
- The voltage of the battery (six cells connected in series) was recorded as 9.12V.
- The 9V LED lamp was observed to glow for a period of 4 hours when it became slightly dim.