

6. Extended Response Item (Scientific Thinking)

- All data correctly entered into the data table.

Time Battery was Charged (seconds)	Time Flashlight Gave Off Light (seconds)		
	Trial 1	Trial 2	Trial 3
30	5	10	5
60	20	20	15
120	40	45	40

- Any valid response explaining that recording data in a table helps to organize the results and makes it easier and more clear to read the results; **OR** displaying data in a graph helps to identify the relationships they reveal; **OR** both tables and graphs help scientists analyze data more easily.
- Any valid response identifying that the results do not support Laura's prediction that a flashlight would give off light about the same amount of time the batteries were charged.
 - The flashlight with the batteries charged for 30 seconds only gave off light for 5 and 10 seconds; the flashlight with the batteries charged for 60 seconds only gave off light for 15 and 20 seconds, and the flashlight with the batteries charged for 120 seconds only gave off light for 40 and 45 seconds. **OR**
 - If the prediction were true then the times that the flashlight gave off light would be much closer to the times that the batteries were charged, and the numbers were far from that.