**Purpose**

To determine which brand of battery is the longest lasting.

**Hypothesis**

The Energizer battery will last the longest. The advertisement claims to be the world’s longest lasting battery.

**Materials**

3 Flashlights

3AAA Energizer batteries

3AAA Duracell batteries

3AAA Rayovac batteries

Clock

**Procedure**

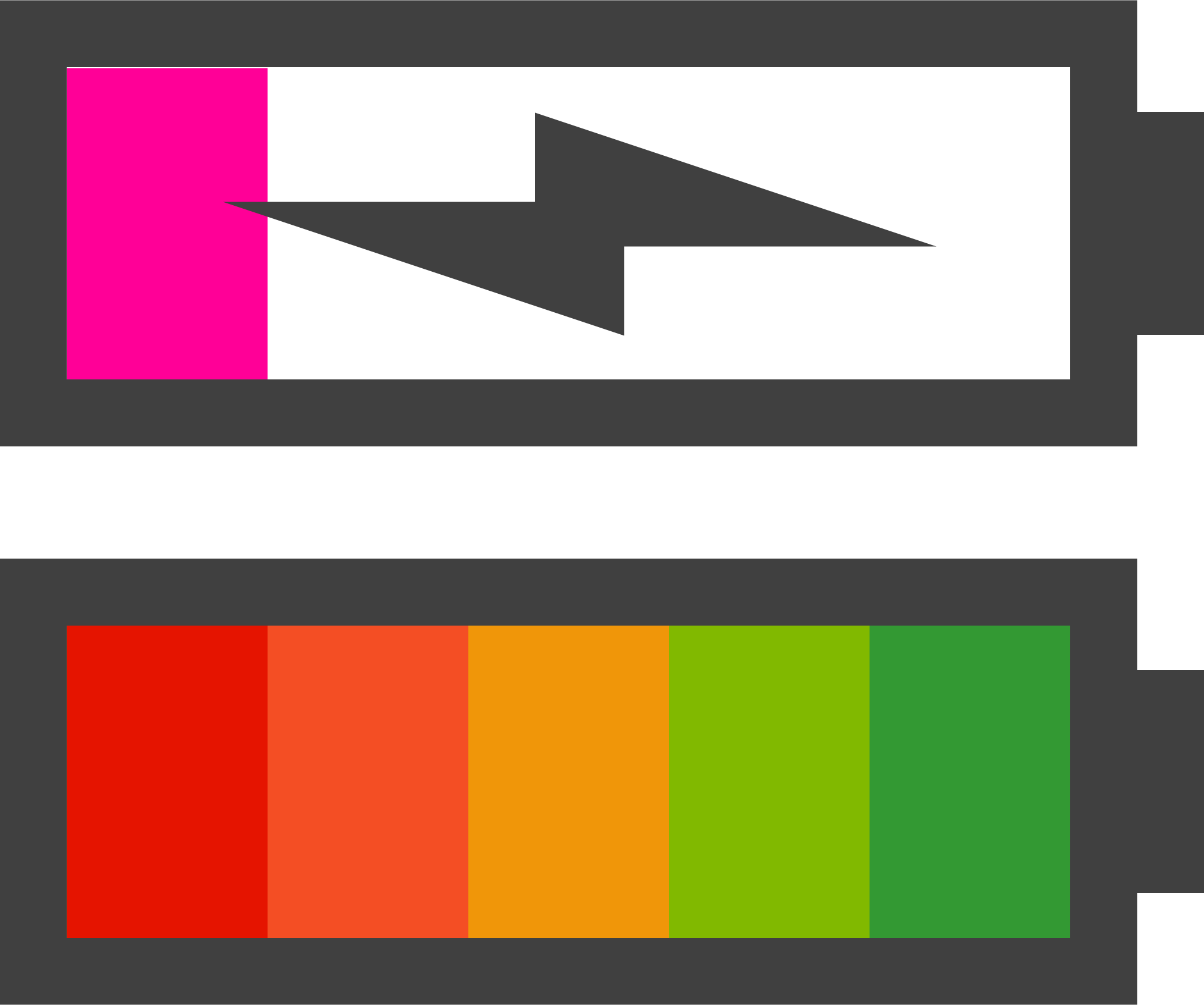
1. Gather flashlights of the same brand.
2. Place 3 AAA Energizer batteries in the blue flashlights.
3. Place 3 AAA Duracell batteries in the orange flashlight.
4. Place 3 AAA Rayovac batteries in the gray flashlight.
5. Turn them on at the same time and set time.
6. Observe frequently to see which flashlight goes out and record time until each flashlight has stopped.

**Results**

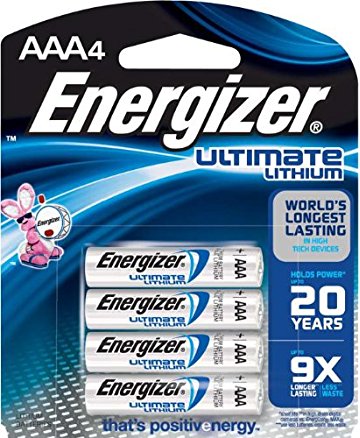
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| --- | --- | --- | --- |
|  | **Duracell** | **Energizer** | **Rayovac** |
| **Begin Time** | **Tuesday, July 11th**  **8:30 pm** | **Tuesday, July 11th**  **8:30 pm** | **Tuesday, July 11th**  **8:30 pm** |
| **End Time** | **Wednesday, July 19th**  **Still On** | **Monday, July 17th**  **11:42 am** | **Tuesday, July 18th**  **10:35 pm** |
| **Total Time** | **Still on at completion** | **5 days, 15 hours, 12 minutes** | **7 days, 2 hours, 5 minutes** |

**Conclusion**

Our original hypothesis was incorrect. Just because the company claimed to be the longest lasting doesn't mean it’s the best brand to buy. The Duracell battery was still on at the completion of the project.

***BATTERY* POWER**

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