

Rechargeable Battery, Page 1



- ❶ The generator handle is turned 30 times. What happens when the generator handle is let go?

30-second charge using Zinc Electrode

- ❷ Predict how long the handle will turn on its own after the saltwater battery is charged for 30 seconds.

- ❸ How long did the handle turn?

30-second charge using Aluminum Electrode

- ❹ Predict how long the handle will turn on its own after the saltwater battery is charged for 30 seconds.

- ❺ How long did the handle turn?

- ❻ Which metal produces more electrical energy (current)?

Rechargeable Battery, Page 2



Multiple Trials Using Zinc Electrode

Number of Times Generator Handle is Turned to Charge Saltwater Battery	Number of Times Handle Turns When Released
10	
50	
100	

- 7 Draw the rechargeable battery system below. Label the electrodes and the electrolyte.