Day 2-3: Revising Models

Unit Question:Why do cell phone batteries sometimes overheat?

NAME: _____

PERIOD: _____ DATE: _____

Revising Models Handout

Vocabulary:

Anode
Oxidation-reduction chemical reaction
Cathode
Electrodes (2)
Electrolyte (1).
Electric current (flow of atomic particles called electrons).

Self-check questions to support model revision:

- ☐ Does your model reflect the basic setup? (2 electrodes and one electrolyte)
- ☐ Is the cathode and anode correctly identified?
- ☐ Is the flow of current correctly modeled? Identified electron movement
- ☐ What about the oxidation-reduction chemical reaction? Is this represented on the model?
- ☐ Do they correctly identify the charging and discharging process?
- ☐ Everything labeled accurately?

Given your new understanding of battery function, can you hypothesize about what might make a cell phone battery malfunction? (jot down below any ideas, connections, or conclusions you reached based on your understanding to date)

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