**UBC Chem-E-Car Battery Proposal**

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| Team Member(s): |  |
| Name of battery reaction: | *What kind of battery i.e. zinc-air, magnesium air, hydrogen fuel cell etc* |
| Why did you choose this reaction? | *For example, highest energy density, easy to assemble, high voltage etc.* |
| Anode Reaction Equations: |  |
| Cathode Reaction Equations: |  |
| Electrolyte and Separator: | *Do you need a separator for the battery? i.e. Celgard or Viledon* |
| Experimental procedure: | *Write down the steps needed to make the batteries*   1. i.e. measure x amount of A chemical in a weighing boat 2. […] |
| Safety Concerns: | *Are there any dangerous steps in your experimental procedure? i.e. high concentration acids, exothermic reactions, flammable materials, pressurized vessels etc.* |
| Chemicals or equipment needed: | Based on your experimental procedures, write down a list of chemicals you would need to purchase or any specialized equipment you might need (i.e. *high-temperature furnace*) |
| Sketch: | *If you can, sketch a basic design for the unit to go onto the Chem-E-Car. i.e. electrode position, casing, etc* |