

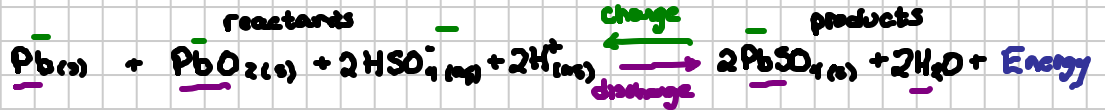
Lecture 23.2 Batteries and Fuelcells

Note Title

11/58/5011

1) Lead Acid cell · Cons 1.2V

.. rechargeable .. "Secondary cells", old tech (cheap), 100% recyclable
HEAVY! Low Energy Density (0.14 MJ/kg)



2) Lithium ion cell Cellphones, Laptops 3.6V

.. rechargeable ... "Secondary cell", New Technology (expensive), ? recyclable.
 Light weight High Energy Density (0.46 MJ/kg)



3) Hydrogen fuel cell: efficient, clean, light weight, old tech .. expensive
 requires H₂(g) explosive.

