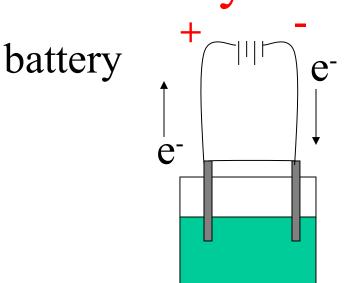
## Electrolysis of water



Pt electrodes

anode

oxidation

cathode

reduction

$$2H_2O \rightarrow O_2 + 4H^+ + 4e^-$$

$$4H_2O + 4e \rightarrow 2H_2 + 4OH$$

acid

1 mol gas

base

2 mol gas