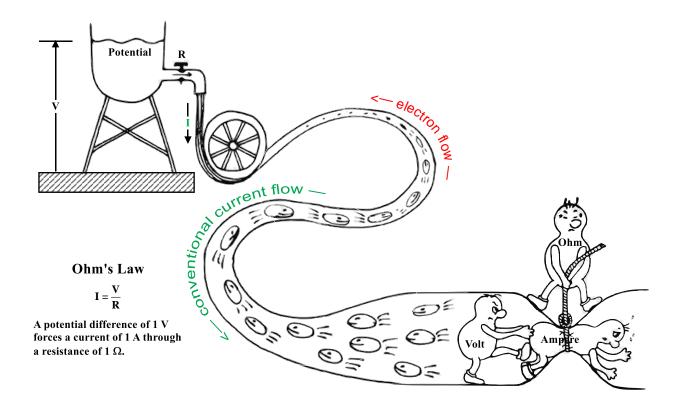
Water Analogy

If we compare electric current with water flowing through a pipe, then:

Voltage \leftrightarrow Water Pressure / Force / Potential Current \leftrightarrow Water Flow Resistance \leftrightarrow Valve / Opposition to Flow



1 ampere is defined as a flow of 1 coulomb (or $\approx 6.241 \times 10^{18} = 6,241,000,000,000,000,000$ electrons) per second past a fixed point.