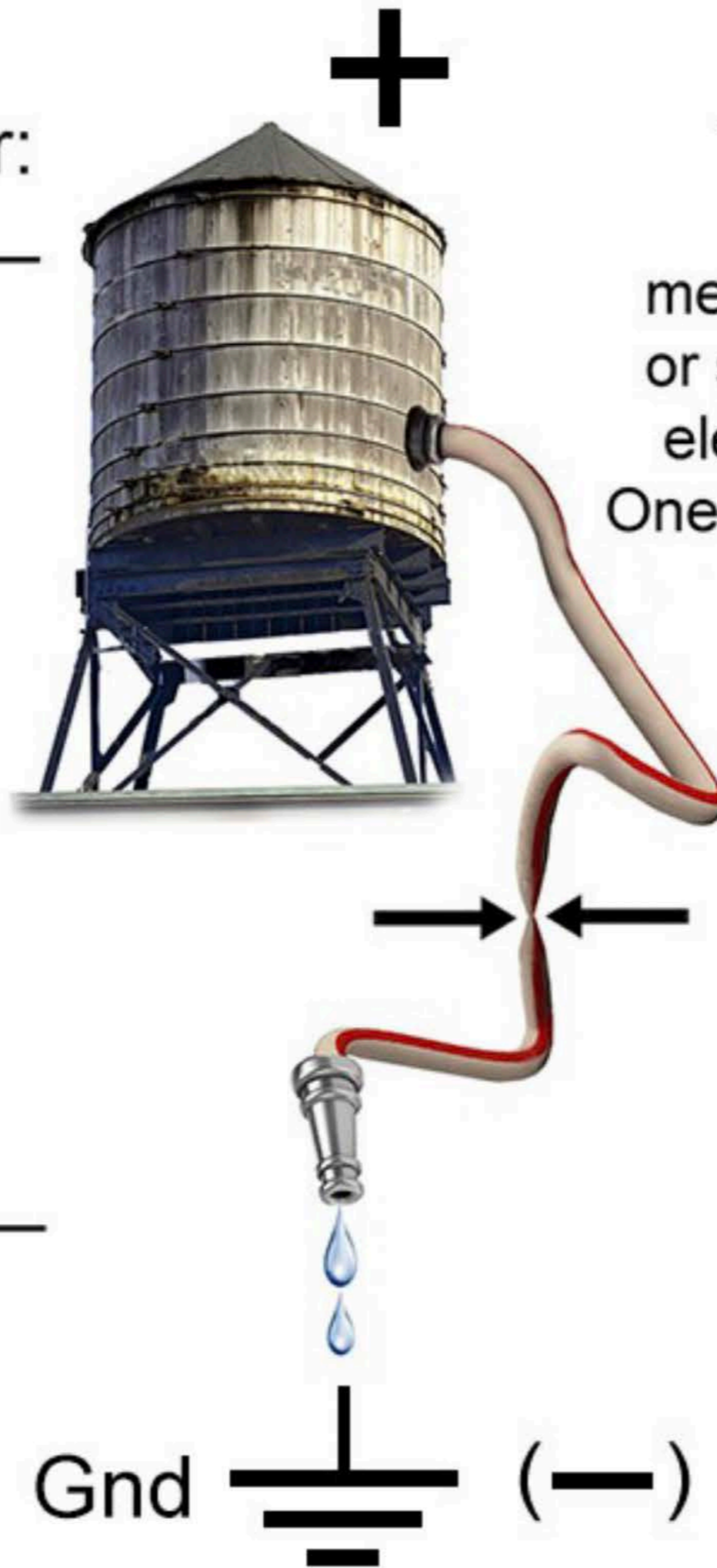


The water metaphor:

The water pressure (measured as the difference between two points) is a metaphore for *electromotive potential*, measured in units called **volts**.



The volume of water flowing is a metaphor for current, measured in units called **amperes** or simply **amps**. A unit measure of electrical charge is the coulomb. One amp = one coulomb per second.

Electrical components called "resistors" slow down the amount of current flowing in a circuit. The property of *impedance* (resistance) is measured in units called **ohms**. In the metaphor, it's represented by pinching the diameter of the pipe.