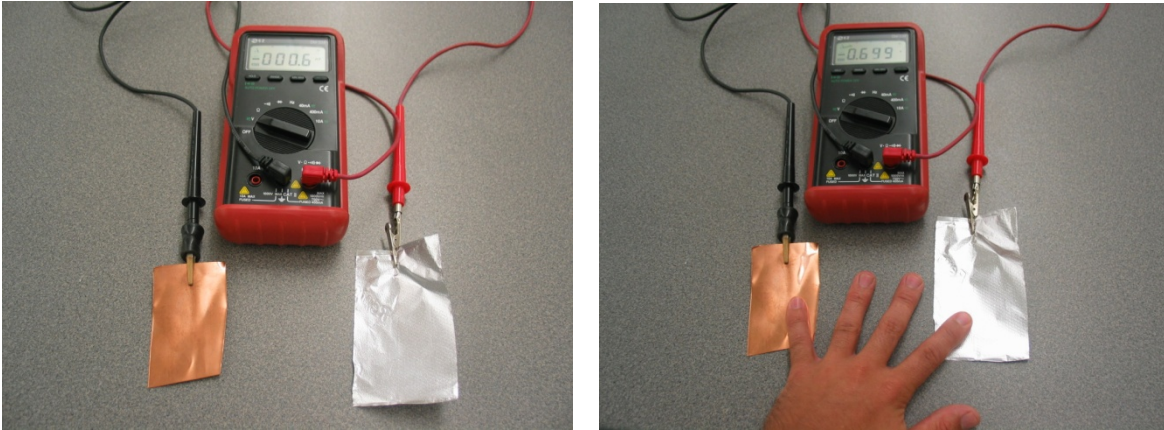


Human Battery



Purpose: To show that the human body can act as the electrolyte in creating a potential difference between two different metals

Location: Room 146; shelf M3; multimeter, shelf A4

Place the small sheet of aluminum and a small sheet of copper on a desk top, near each other, but not touching. The distance they are apart does not matter. Connect one lead of the multimeter to the copper and the other lead to the aluminum. Place the multimeter on the voltage setting and make sure it is set to read DC voltage. Notice there is essentially no potential difference while the sheets are just sitting there. Place one finger on each sheet, as shown, and observe. The potential difference should increase to over half a volt. Your hand acts as the electrolyte causing a potential difference between the two metals. A similar process occurs in batteries.