

DATE _____

1 HYPOTHESIS

You are made mostly of salty water, so electricity can get through you - but your dry outer skin is in the way. Wetting your skin should let electricity past more easily.

Anything you would add?

2 | M E T H O D

what we will do to test it

1. Set the meter to Ω , on the 200k range.
2. Check it: tips apart, then tips touching.
3. Dry both hands. Hold one probe tip against each index finger, pressing gently.
4. Wet your fingertips. Repeat, same pressure.
5. Dry again, then repeat pressing hard.
6. Last: touch both METER probes to your tongue.
7. Now the BATTERY PACK leads, handed to you. Taste it.

Did you do anything differently?

3 P R E D I C T I O N

fill this in BEFORE you measure

Cross out the ones you think are wrong.

With DRY fingers the reading will be HIGHER / LOWER than with wet fingers.

Wet skin lets electricity through BETTER / WORSE / THE SAME

Your tongue will read HIGHER / LOWER than wet fingers.

The battery on your tongue will feel like NOTHING / A TINGLE / A SHOCK

4 R E S U L T S

what actually happened

Dry fingers _____ Ω

Wet fingers _____ Ω

Dry, pressing hard _____ Ω

Tongue (meter) _____ Ω

Battery leads - what did you feel? _____

Which was bigger - dry or wet? _____

Roughly how many times bigger? _____

Was your prediction right? YES / NO

5 C O N C L U S I O N

what I learned

Before today, would you have said a thing HAS a resistance, the way it has a colour?
