

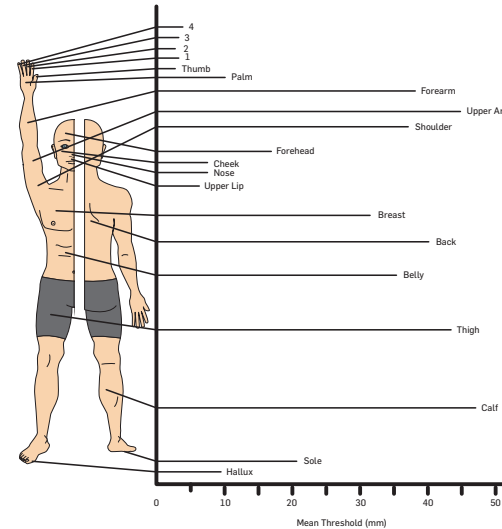
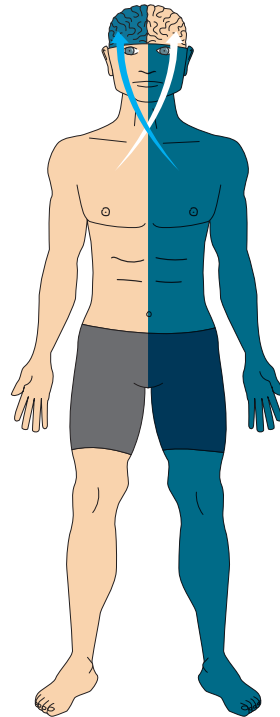


The Homunculus Mapper

brainmapper.org

Body to Brain

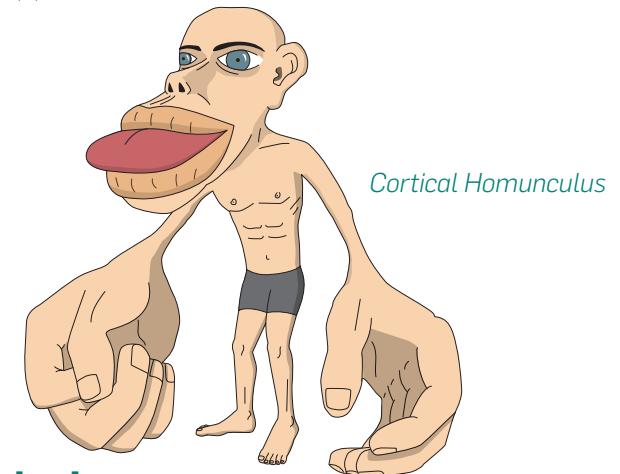
Sensory information from the right side of your body goes to the left hemisphere of your brain and information from the left side goes to the right hemisphere.



Two-Point Discrimination

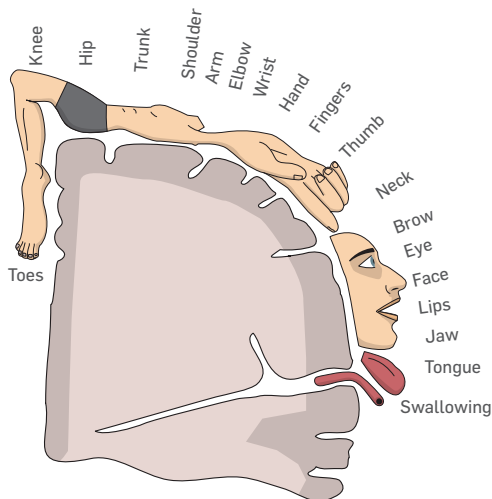
The sensitivity of different body parts can be determined by measuring *two-point discrimination* (the ability to discern that two nearby objects touching the skin are truly two distinct points).

With this information, one can make a cortical representation of the body, called a *Cortical Homunculus*.



Brain Body Map

There's a map of your body on your brain's cortex, BUT the map isn't proportional to actual space. Sensitive parts like the face and fingers are represented by more area than less sensitive parts like the legs or back.



Map Your Homunculus!

- » Close your eyes
- » Tester touches your skin with pairs of toothpicks
- » Do you feel one or two points?
- » Record the distance that felt like only one point
- » Repeat for the back, arm, forehead, hand, leg and foot
- » Enter the data into **brainmapper.org**
- » Save your numbers so that you can look up your homunculus later and print it out or add it to our database to become a Citizen Scientist!