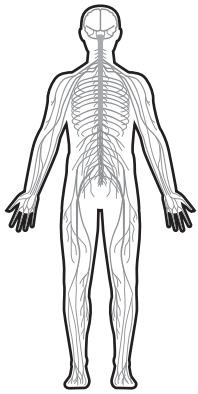
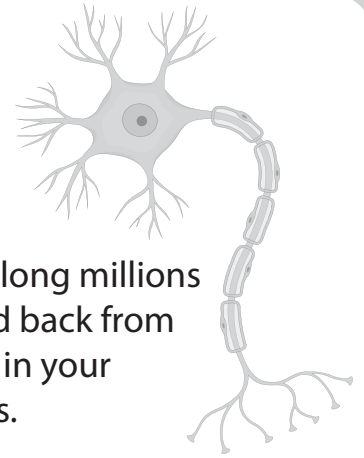


The Nervous System

How quickly do messages travel through the nervous system?

Place your hand in front of your face. Now wiggle your fingers.

It happens as soon as you try - Your brain sends messages to your hand along millions of nerves. Your brain instructs your muscles to pull your fingers down and back from finger to finger. All those messages travel from your brain to the muscles in your fingers. Hundreds of messages going back and forth at incredible speeds.



Humans and Computers

Our nervous system transports the messages our brain sends to different parts of our body via our nerves.

A computer's CPU (it's brain) sends messages to different parts of a computer using electrical wires (like our nerves).

Design Task:

Design a robot whose task it is to clean your house.

Show where its CPU (its brain) is located.

Show the internal circuits that it uses to send messages to its different parts.

Label the wires telling which part of the robot the wire sends messages to.

