

# LESSON 2

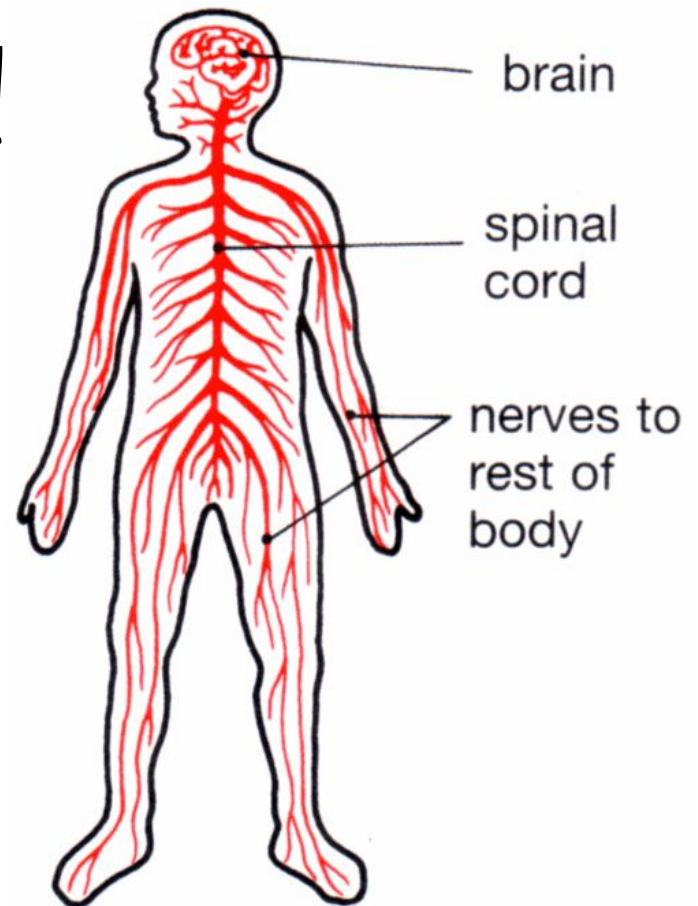


# WHAT ARE NEURONS?

# WHAT DID WE LEARN LAST TIME?

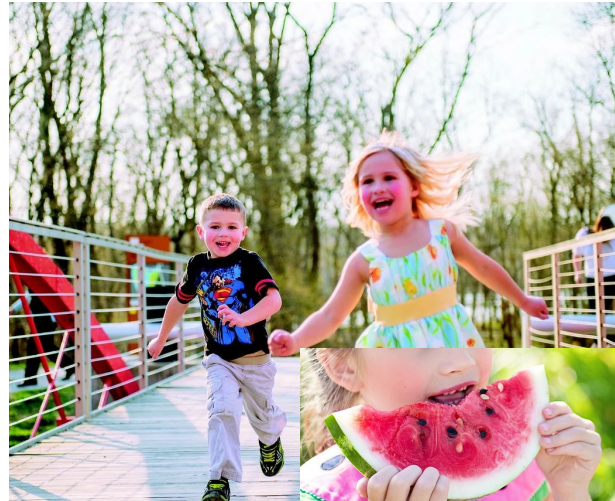
OUR BRAIN IS INSIDE OUR SKULL!

OUR BRAIN SENDS MESSAGES  
TO OUR BODY THROUGH OUR  
SPINAL CORD & NERVES.



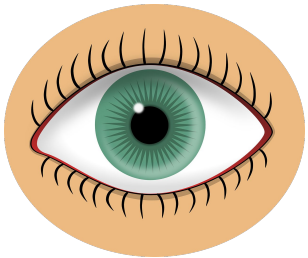
# WHAT DID WE LEARN LAST TIME?

THESE MESSAGES  
HELP US TO....  
RUN, EAT, SLEEP,  
HAVE FEELINGS  
& MORE!



# WHAT DID WE LEARN LAST TIME?

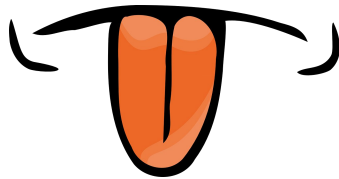
OUR BRAIN ALSO **RECEIVES MESSAGES** ABOUT  
THINGS THAT WE...



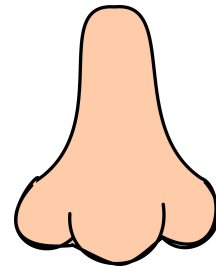
SEE



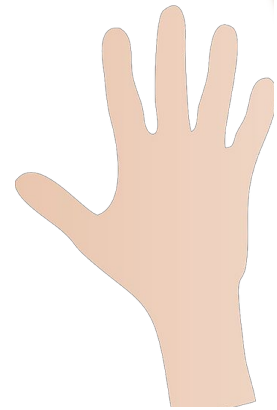
HEAR



TASTE



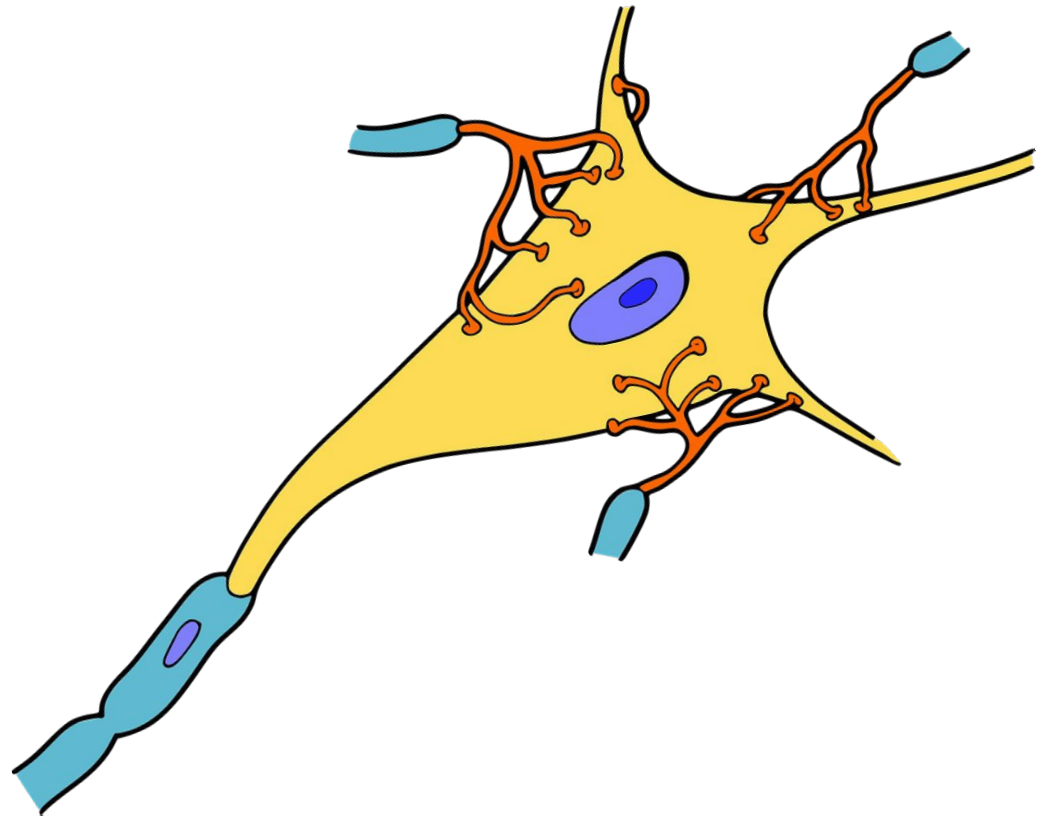
SMELL



TOUCH

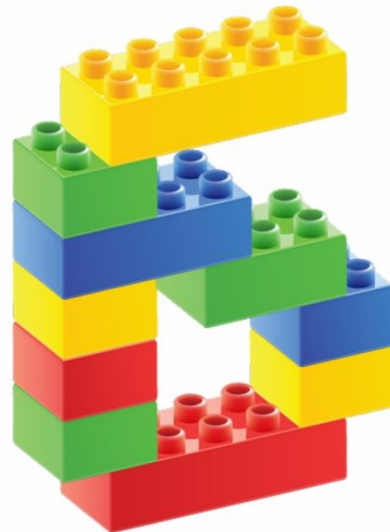
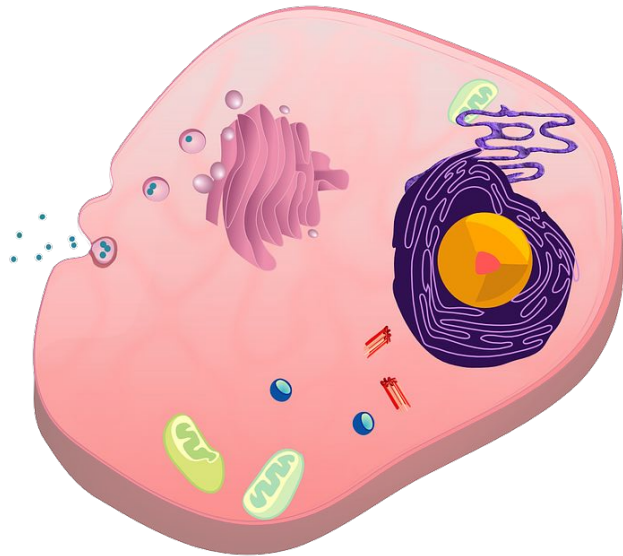
TODAY WE ARE GOING TO LEARN ABOUT:

BRAIN CELLS  
(CALLED  
"NEURONS")



# BUT FIRST... LET'S TALK ABOUT CELLS

CELLS ARE LIKE LEGOS! THEY ARE THE **BUILDING**  
**BLOCKS** OF THE BODY.





# BUT FIRST... LET'S TALK ABOUT CELLS

WE HAVE TRILLIONS OF CELLS IN OUR BODY.

ALL WORKING LIKE  
**LITTLE MACHINES**

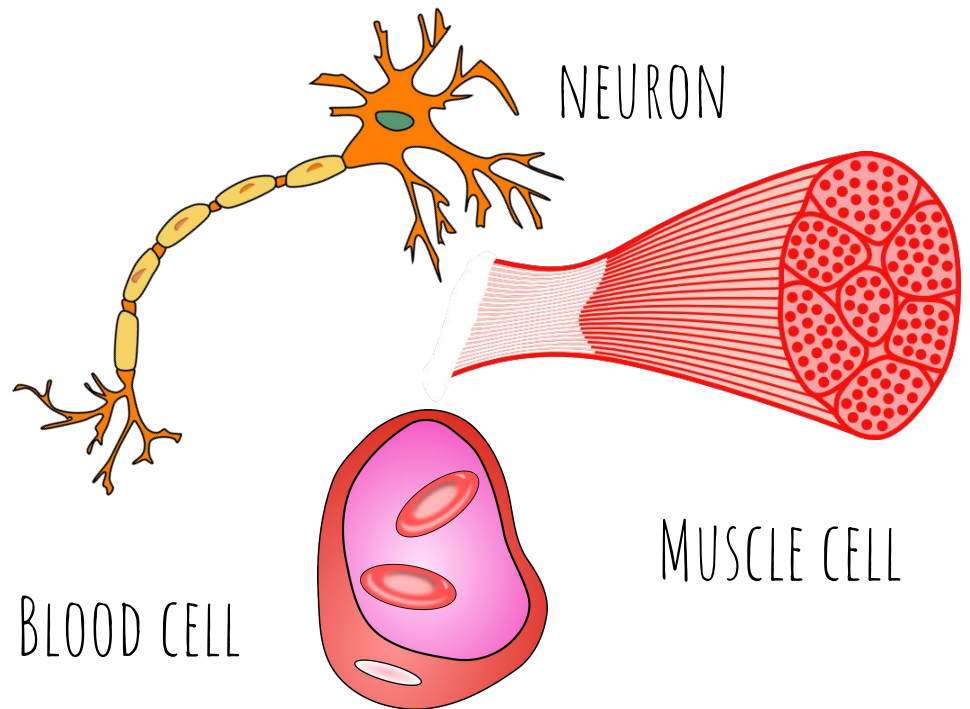
TO KEEP US  
RUNNING.



# BUT FIRST... LET'S TALK ABOUT CELLS

BRAIN CELLS (**NEURONS**) ARE ONE TYPE OF CELL FOUND IN THE BODY.

WE ALSO HAVE BLOOD CELLS, MUSCLE CELLS & MANY MORE!



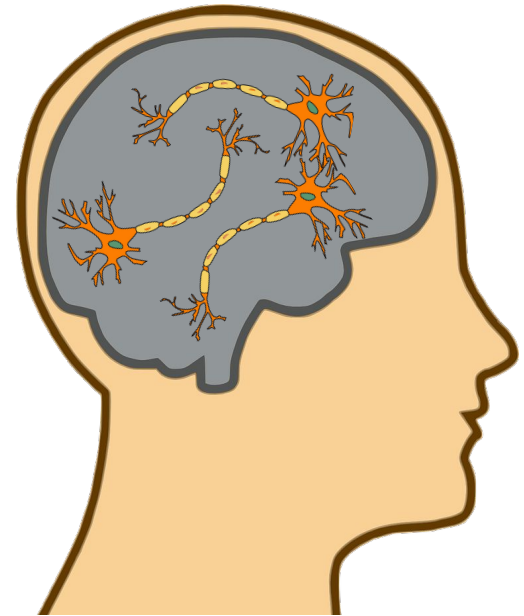


SO JUST LIKE...

A LOT OF LEGOS MAKE  
UP A HOUSE

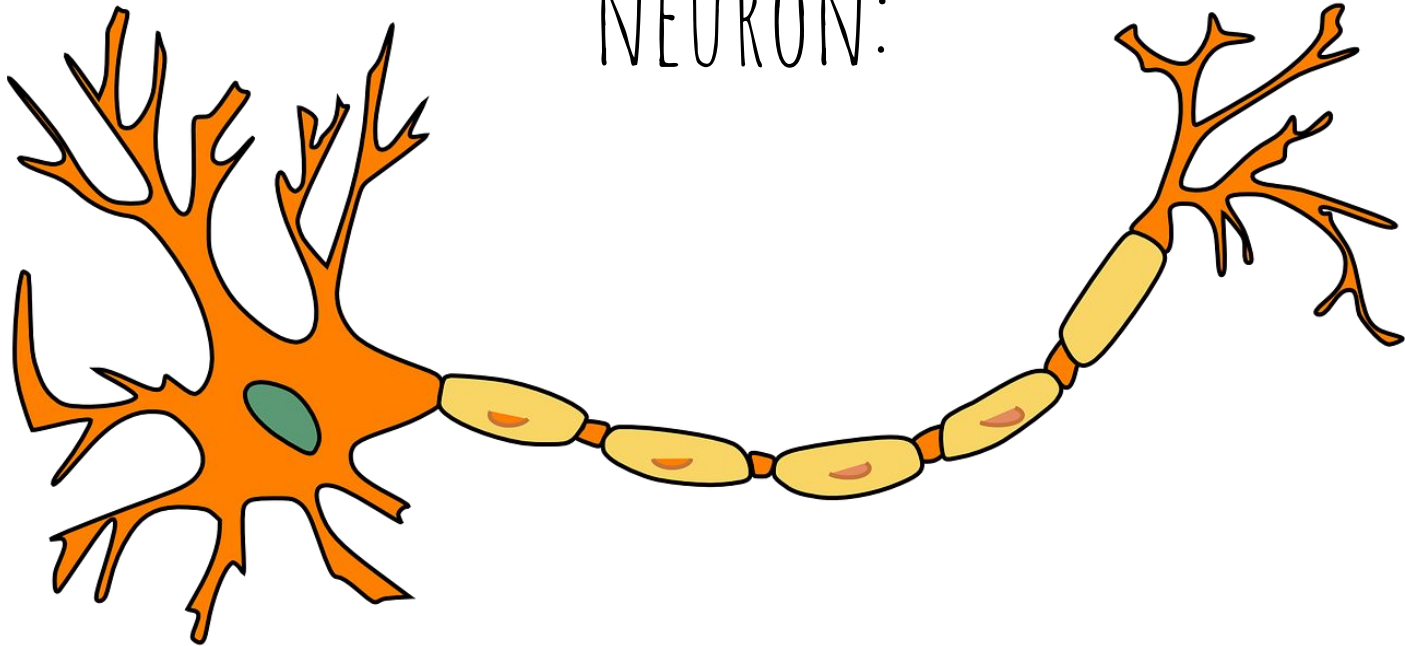


A LOT OF NEURONS  
MAKE UP A BRAIN



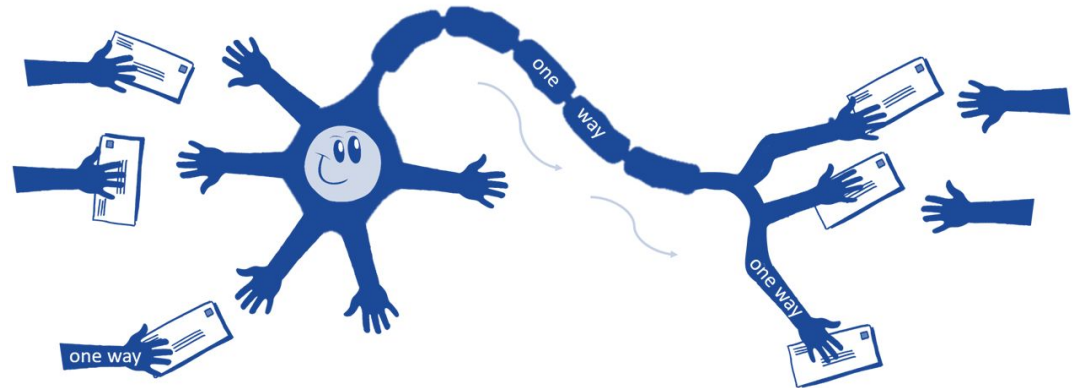
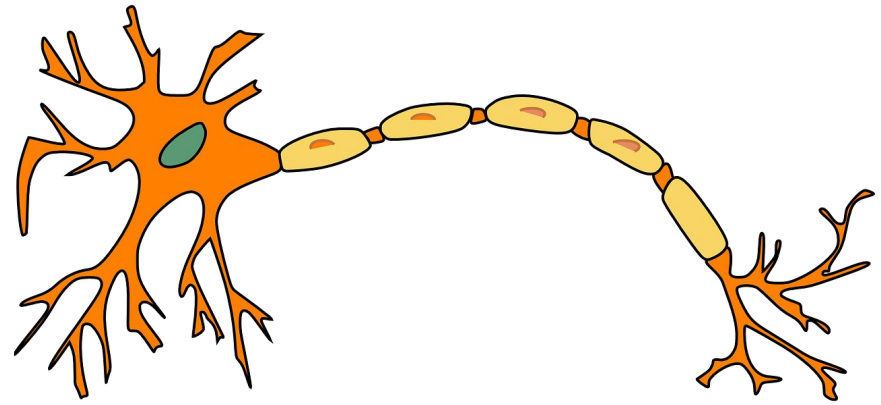
# LET'S TAKE A CLOSER LOOK

HERE'S A DRAWING OF A  
NEURON:



# LET'S TAKE A CLOSER LOOK

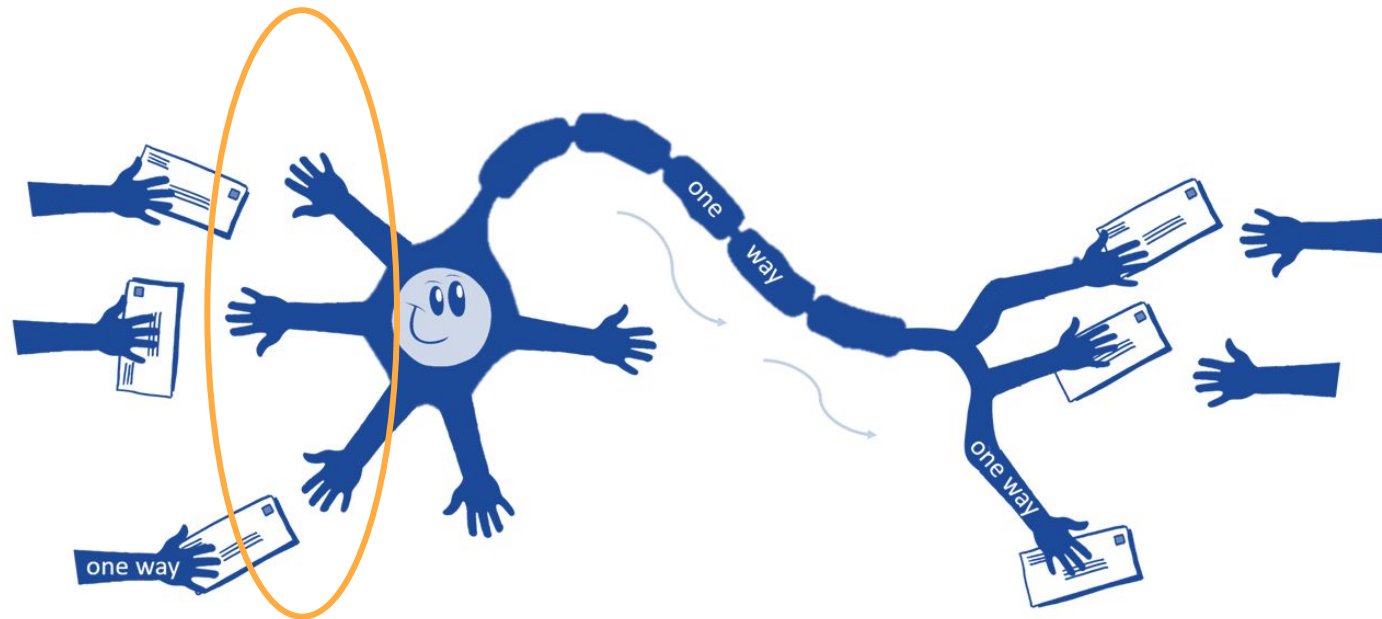
EACH PART OF  
THE NEURON  
HAS A  
DIFFERENT JOB  
TO DO.



# LET'S TAKE A CLOSER LOOK

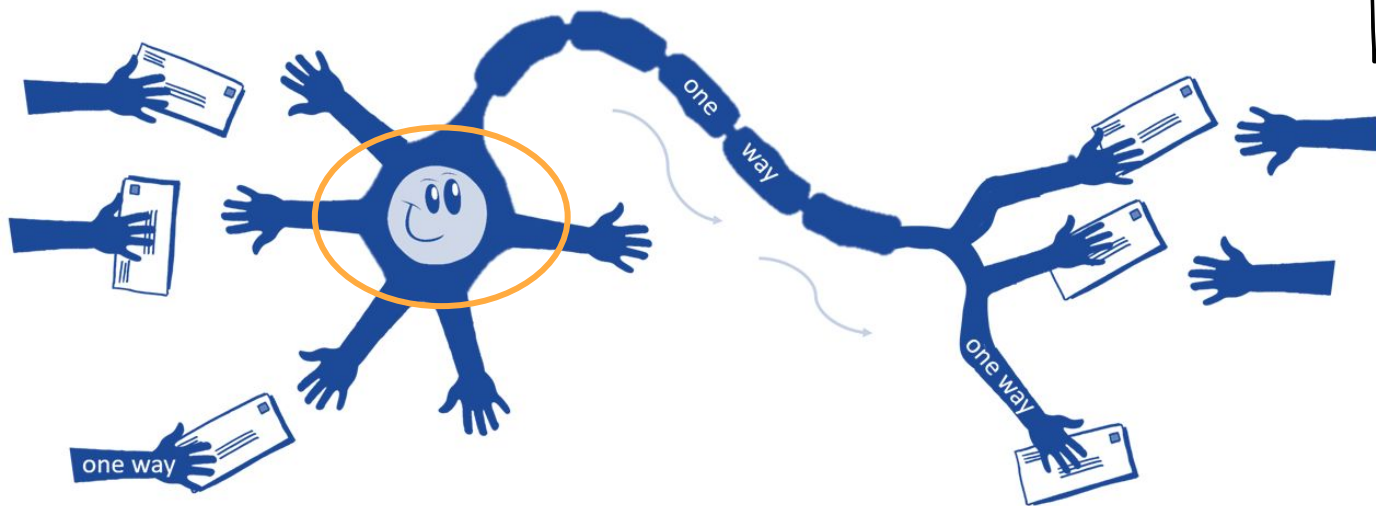
THIS PART (**THE DENDRITES**) RECEIVES MESSAGES FROM OTHER NEURONS.

HELLO!  
INCOMING!



# LET'S TAKE A CLOSER LOOK

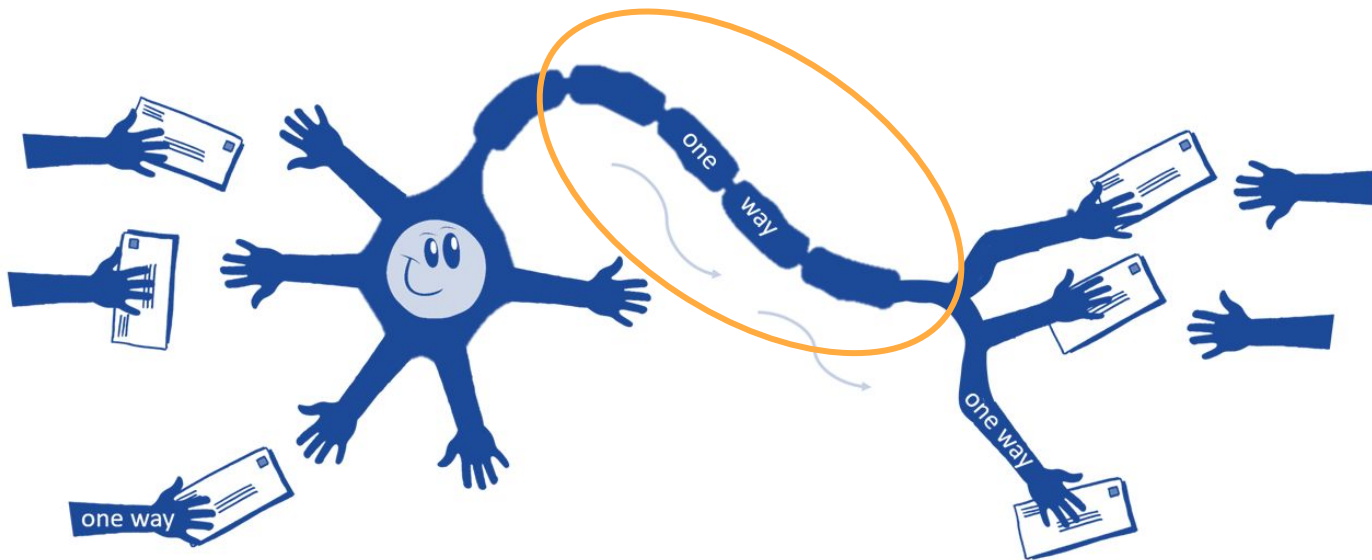
THIS PART (**THE CELL BODY**) IS THE COMMAND CENTER OR THE BOSS OF THE CELL.



LET'S GET THIS  
MESSAGE  
MOVING!

# LET'S TAKE A CLOSER LOOK

THIS PART (**THE AXON**) IS REALLY LONG AND IT CARRIES THE MESSAGE.

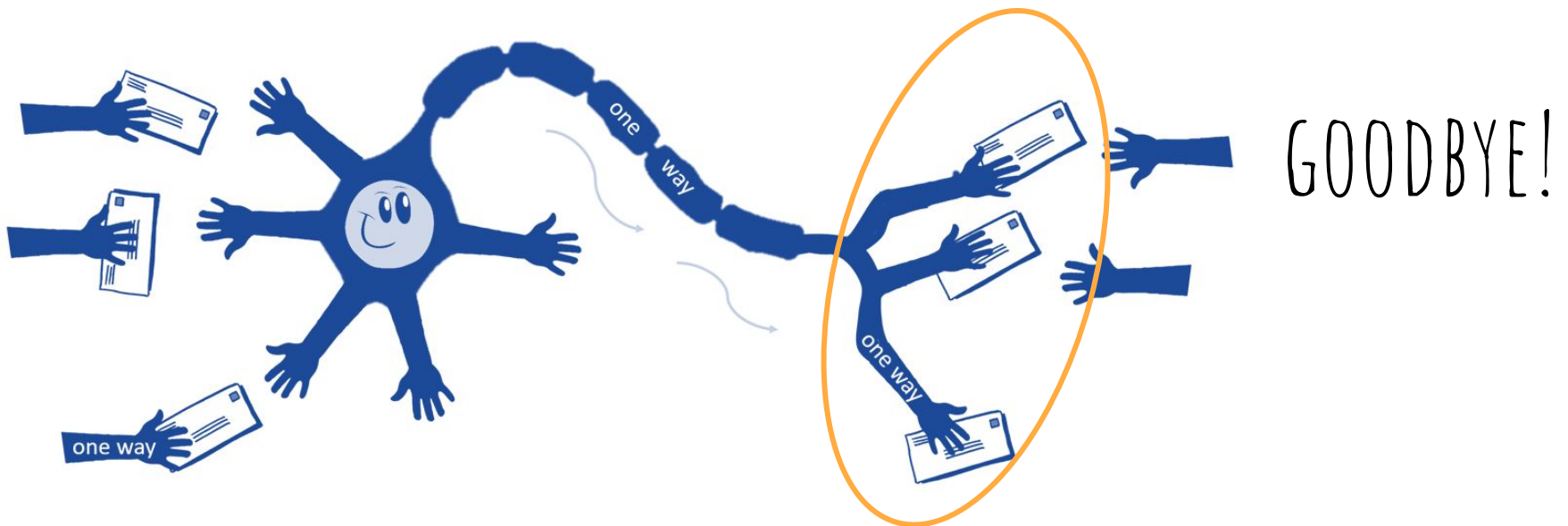


THINK OF  
THE AXON  
LIKE A LONG  
HIGHWAY.



# LET'S TAKE A CLOSER LOOK

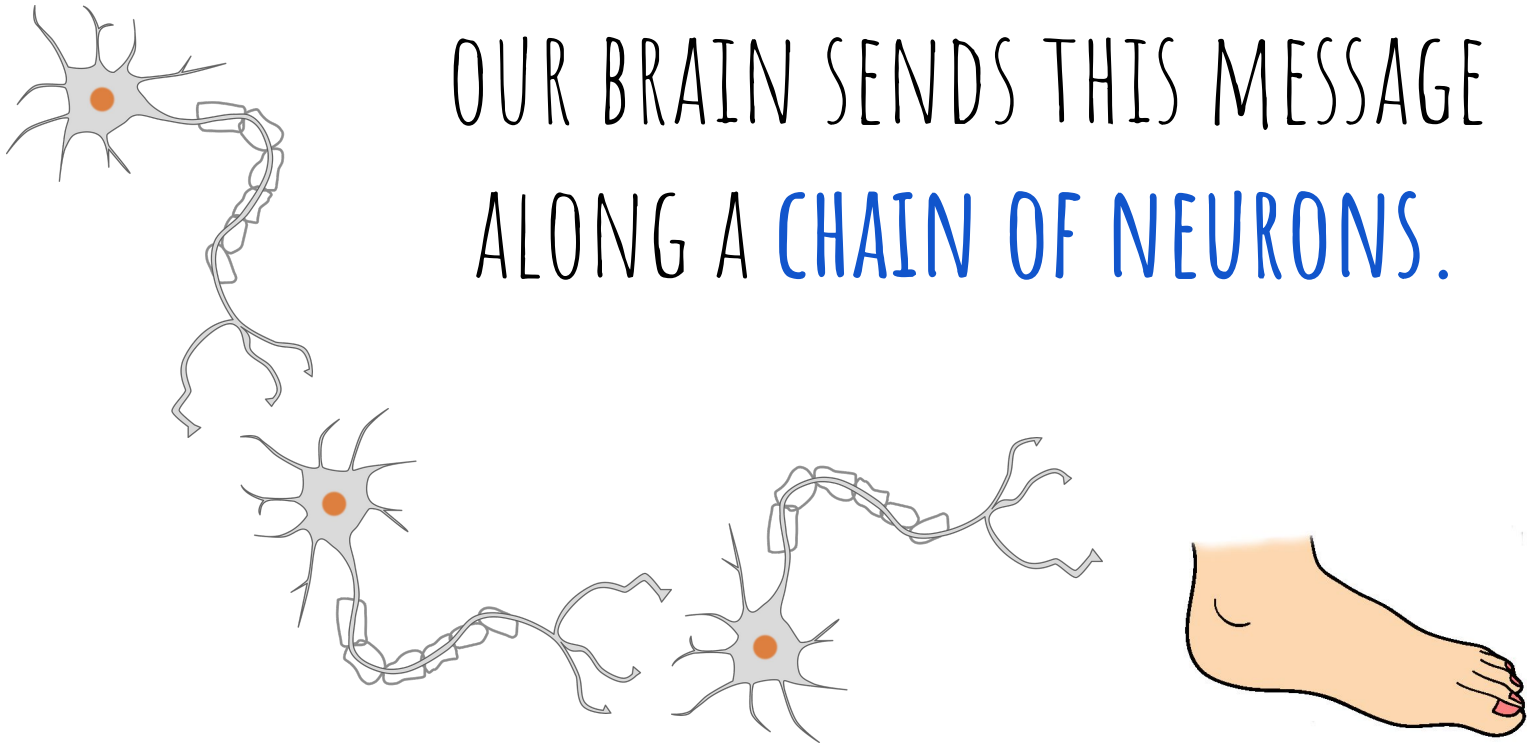
THIS PART (THE AXON TERMINAL) SENDS THE MESSAGE TO THE NEXT NEURON.



# ZOOMING OUT

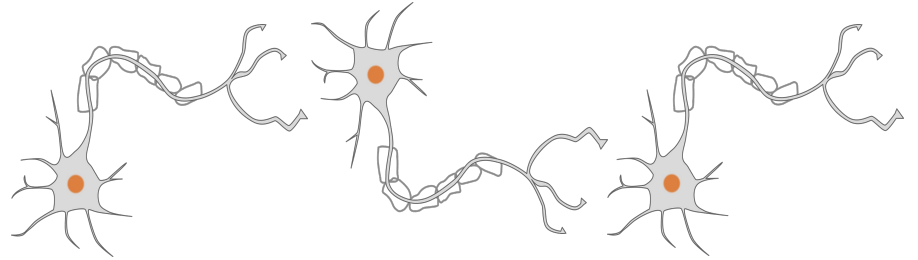


SO IF WE WANT TO MOVE OUR FOOT,  
OUR BRAIN SENDS THIS MESSAGE  
ALONG A **CHAIN OF NEURONS.**



# IT'S JUST LIKE THE GAME TELEPHONE!

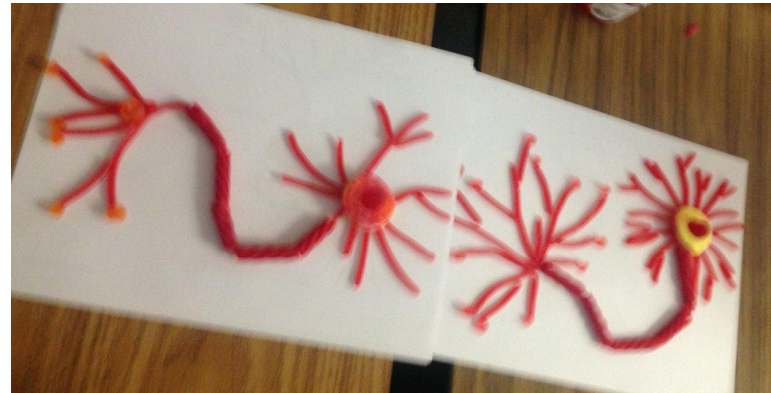
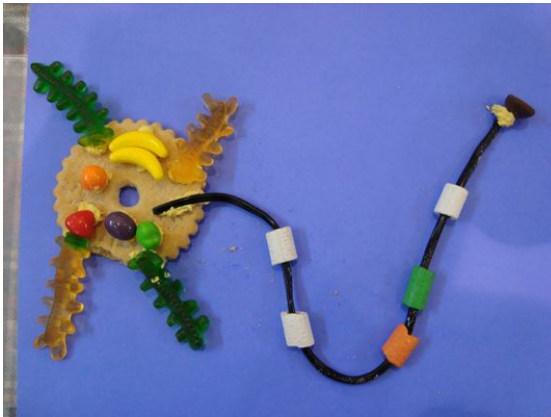
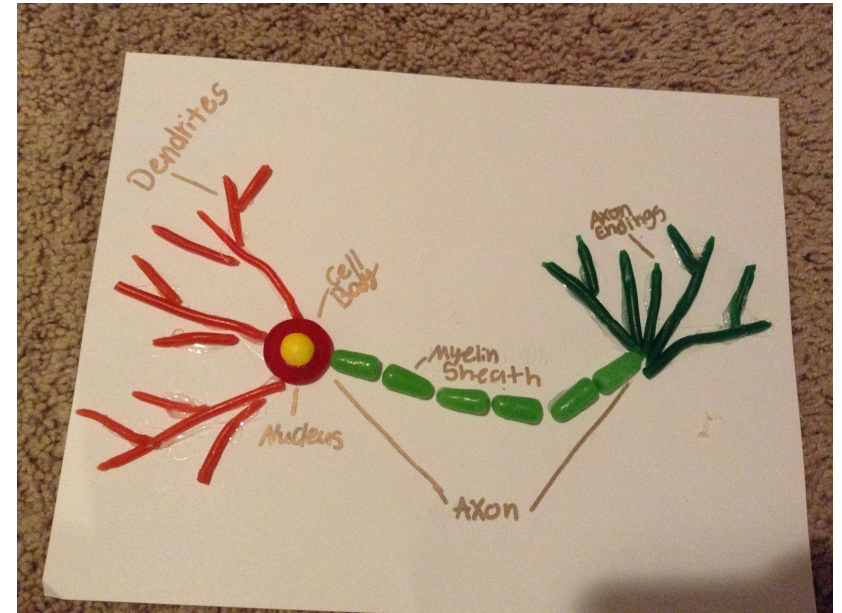
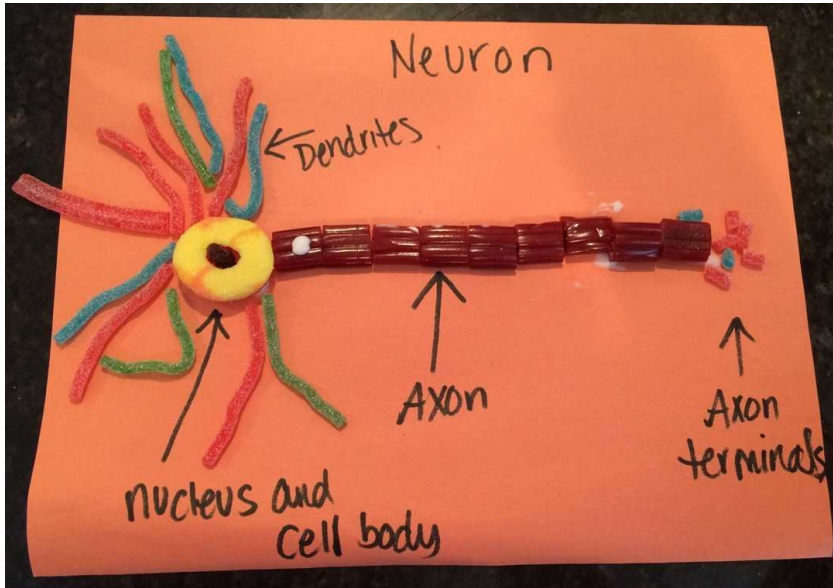
BY WHISPERING IN  
EACH OTHER'S EARS,  
WE'RE PASSING A  
MESSAGE **ALONG A**  
**CHAIN.**



# LET'S BUILD OUR OWN NEURON!

- 1.) DRAW A NEURON ON A PIECE OF PAPER.
- 2.) FIND SNACKS TO REPRESENT EACH PART OF THE NEURON.
- 3.) LABEL YOUR NEURON'S DENDRITES, CELL BODY, AXON & AXON TERMINAL.

# HERE ARE SOME IDEAS!





WE'RE DONE! CAN YOU NAME **ONE**  
THING THAT YOU LEARNED TODAY?

1.)

-----  
-----  
-----

