

Name _____

Date _____



The Nervous System

Neurons, Spinal Cord and Brain

Ah, man.

What's up?

Is that a bug in here?

Ah yeah, I hear it, too!

This is bugging me out.

Right?!

How am I going to learn about the nervous system with that thing buzzing around?

It's Flocab at your service, listen.

We're here today to talk about the nervous system.

Hey! Wait! Hold up! Stop the song.

Something big just landed on my left arm!

How does your brain know what your senses feel, huh?

It's your nervous system getting the job done!

Don't think you don't have nerves in your skin? Well you're wrong.

And nerves are made of bundles of neurons:

Specialized cells that carry messages fast,

Believe it, and they don't even need a messenger bag.

Most nerves connect to the spinal cord, and its mission

Is to act like the highway of your nervous system.

The spinal cord zooms the message to your brain,

Which unpacks the message and tries to explain

What it means, and the brain controls your response.

In this case, it says: "Move your left arm!"

That message goes back, spinal cord to nerves,

Your arm moves and you squash the bug in a blur.

Word, the central nervous system is the name
That pertains to your spinal cord and your brain.
And the other neurons and nerves in a different position:
They make up the peripheral nervous system.
Abbreviated as CNS and PNS,
'Cause saying the full lines will leave me out of breath.

Hook

Chilling with the systems, I'm like, "Oh hey!"
Who's this with the neurons, spinal cord and brain?
Controlling everything I think, do and feel,
That's the nervous system, y'all, you know the deal!

x2

The peripheral nervous system has two functions,
So we can divide it into two parts.
The somatic nervous system part,
Runs all voluntary actions from the start.
It sends info to your CNS,
Then receives messages, makes your muscles flex.
That's what happened with the bug before,
That's was your somatic nervous system. Yeah, sure!
And there is a kind of involuntary action,
That the somatic controls, here's what happens:
If you touch a pan that is hot!
A reflex takes place, an impulse is shot
To your spinal cord through sensory neurons.
Another impulse is shot back through motor neurons.
It skips your brain so your reaction's fast,
That's the somatic system and its various tasks.
There's another crucial part of the PNS,
For most involuntary actions get

Done by the autonomic nervous system, it's active
Even when you're still or asleep on a mattress.
It regulates your body's internal machine,
So your heart always beats and you always breathe.
It's in charge when you cough or sneeze,
Or when your pupils expand in the dark to help you see.

Hook

Chilling with the systems, I'm like, "Oh hey!"
Who's this with the neurons, spinal cord and brain?
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x2

Got it!

Nice!

Now what were you saying about the nervous system?

You're going to have to rewind that.