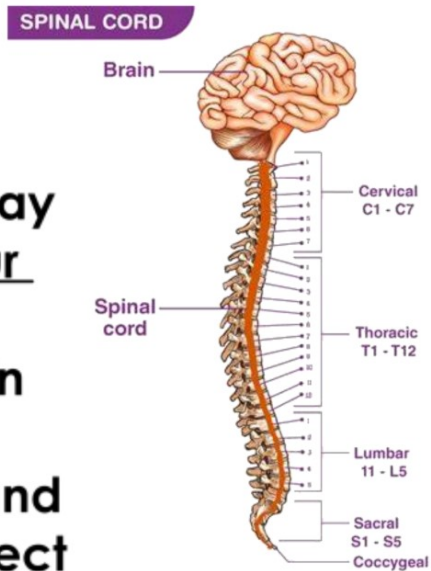


# Spinal Cord

## Function of Spinal Cord

The spinal cord is like a superhighway that carries messages between your brain and the rest of your body. It helps you move, feel things like pain and temperature, and controls important functions like breathing and heartbeat. Just like how wires connect different parts of a computer, the spinal cord connects your brain to the nerves in your body so they can work together.

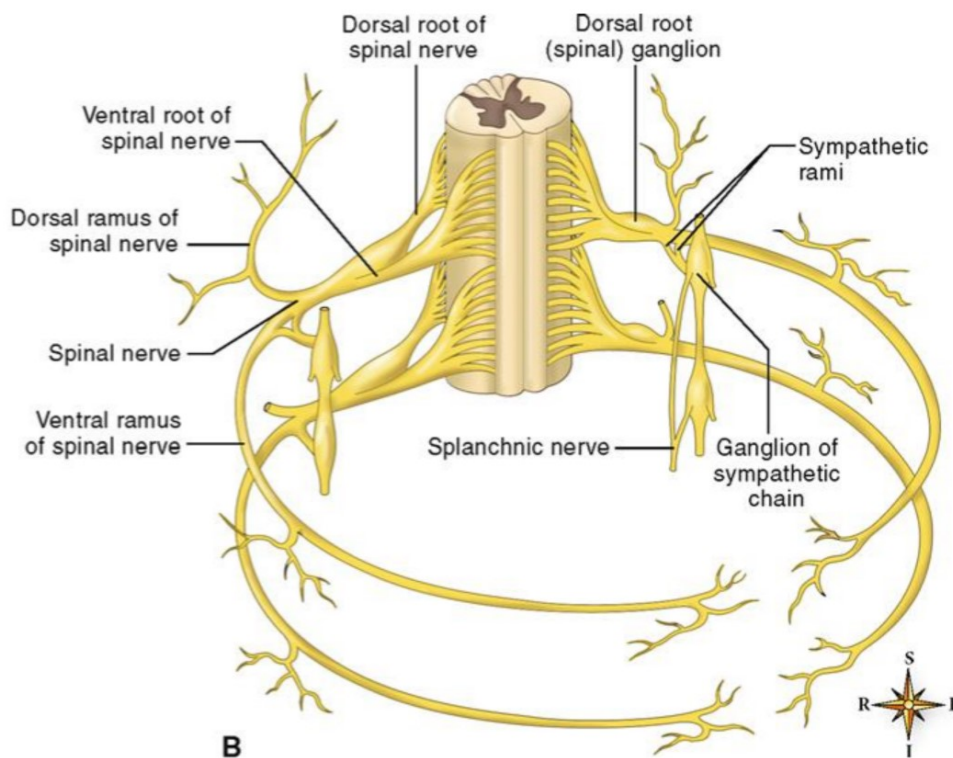


## Relationship Between the Spinal Cord and Nerves

The spinal cord is like the main road that connects your brain to the nerves in your body. It helps messages travel back and forth quickly, like a highway for information.

Nerves are like little branches that come out from the spinal cord and spread throughout your body, reaching every part like tiny roads. They carry messages to and from the brain, telling your body what to do and helping you feel things.

So, the spinal cord and nerves work together as a team to help your body function properly, like a super important communication network!



# Brain

## Function

- Works as the control center for the body
- **Receives messages from and sends messages to all organs and tissues of the body**
- **Controls both voluntary and involuntary activities**
- **Gives us the ability to learn, to reason, and to feel**



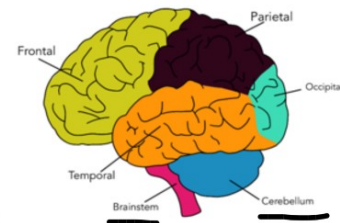
Meet Your Master - Getting to Know Your Brain: Crash Course Psychology #4

**Craniopagus Twin Separation**  
<https://www.youtube.com/watch?v=6v-b4SELdnk>

**8 min**

### Structure

- Mass of a billion neurons
- 3 Main Parts of brain:



1) Brain Stem: lowest section of the brain that connects to the spinal cord

2) Cerebellum: at the back of the brain stem and is linked to it by nerve tracks

3) Cerebrum: the largest part of the brain; divided into 4 lobes: **frontal, temporal, parietal, occipital**

[Heritage Minutes: Wilder Penfield](#)

1 min

[This Doctor's CRAZY Brain Experiment and Results!](#)

2 min Wilder Penfield