

# VOCABULARY WORDS

## MYELIN

The myelin sheath is a layer of fat and protein that wraps around your nerves to protect them and help communication signals move faster. Mylin and his Dad Mr. Sheath are named after the myelin sheath.

## NEURON

A neuron is a type of nerve cell. Nerve cells send and receive communication signals to and from all parts of your body. The nerve cells in your brain are called neurons.

## BRAIN

Your brain is an organ inside your head. Everything that makes you YOU comes from your brain. Your feelings and thoughts come from your brain, it stores your memories and controls your body like your arms, legs, hands, and feet! And that's just a little bit of what your brain does!

## CEREBELLUM

Your cerebellum is a small but important part of your brain. It is located at the bottom of your brain, in the back of your head. This part of the brain is in charge of a lot, including helping you to keep your balance. In Episode 1, we meet Cera Bellum who says "Gymnasts and tight rope walkers are big fans of mine!"

## CEREBRUM

Your cerebrum helps with everything you do every single day. This is the biggest part of your brain and sits at the top of your head from front to back. The cerebrum is made up of parts called lobes. Some of the lobes in your cerebrum are the frontal lobe, the parietal lobe, the occipital lobe and the temporal lobe. We meet Cere Brum in Episode 1 of Brain Adventures with Mylin and she is named after this part of your brain.

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## TEMPORAL LOBE

The temporal lobe is a part of the cerebrum and is located right next to your ears! It is in charge of understanding sounds and words. In Episode 2, we learn from Mr. Sheath that brain injury that affects this part of the brain can lead to being unable to understand sounds and what people are saying to you.

## OCCIPITAL LOBE

The occipital lobe is a part of the cerebrum and is located at the back of your head. This lobe is in charge of understanding what you see with your eyes like color, shape and size. In Episode 2, we learn from Dr. Schwann that a head injury affecting the occipital lobe could lead to blindness or make it hard to identify objects around you.

## PARIETAL LOBE

The parietal lobe is a part of the cerebrum and is located at the top of your head in between the occipital lobe and the frontal lobe. This part of the brain helps you understand what you sense, like touch and taste. In Episode 3, Coach Sense tells us that an injury that affects this part of the brain can damage your senses, leading to blurry vision, lack of taste or smell, or ringing in your ears.

## SENSES

Your senses are your sense of smell, sight, taste, touch and hearing. The parietal lobe is in charge of your senses. In Episode 3, we meet Coach Sam Sense who explains how our senses can be affected by injury to the parietal lobe.

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## **FRONTAL LOBE**

The frontal lobe is a part of the cerebrum and is located at the front of your head. This lobe is in charge of creative decisions, problem solving and controlling emotions. In Episode 3, Ms. Craft helps us learn that an injury that affects this part of the brain can impact the way you think, make it hard to control your emotions, make it hard to solve problems and can reduce creativity.

## **TRAUMATIC BRAIN INJURY**

A traumatic brain injury or TBI can happen when you hurt your head, or even when you experience a hit or slam to your body which can cause your brain to move back and forth against the inside of your skull.

## **SCHWANN CELL**

Schwann cells are special cells that are in charge of making some of the myelin in your body! In Episode 2, we meet Dr. Schwann who teaches us about the occipital lobe. Dr Schwann is named after Schwann cells.