

Areas of the Brain



Exploring its Parts and Functions



What is the Brain?

THE BRAIN IS YOUR BODY'S SUPER-FAST COMPUTER! IT CONTROLS EVERYTHING, YOUR THOUGHTS, EMOTIONS, MEMORIES, AND EVEN YOUR BREATHING AND HEARTBEAT! IT'S LIKE THE ULTIMATE MULTITASKING MACHINE, THAT IS ALL PROTECTED WITH A SKULL.

THE BRAIN IS DIVIDED INTO FOUR MAIN LOBES AND MANY SMALLER, SPECIALIZED SECTIONS. THINK OF IT AS A TEAM OF EXPERTS ALL WORKING TOGETHER! IT'S ALSO SPLIT INTO TWO HALVES, CALLED HEMISPHERES, THAT SHARE INFORMATION INSTANTLY.

Left Brain vs Right Brain

Left Brain

Logical & analytical

Good at:

- Math, facts, organization
- Patterns, planning, sequencing
- Clear answers

Often:

- Makes schedules/checklists
- Memorizes facts > feelings
- Stays organized/focused
- Thinks slower, more accurately
- Likes rules/structure



Right Brain

Creative & imaginative

Good at:

- Art, music, emotions
- Faces, imagination, storytelling
- Seeing the big picture

Often:

- Draws, designs, and invents
- Writes stories/poems
- Notices colors/mood
- Thinks fast, unorganized
- Likes open questions

Major Brain Parts & Their Jobs

Hippocampus:

Helps learn new facts, stores memories, and recalls experiences.

Cerebellum:

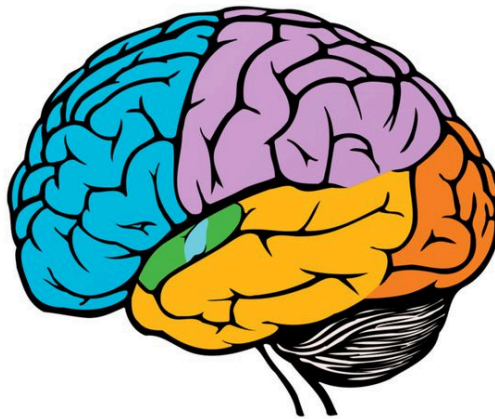
Handles balance, movement, coordination, and automatic skills like riding a bike.

Amygdala:

Controls big emotions like fear, excitement, and stress. It helps emotional memories stick around.

Prefrontal Cortex:

The "thinking boss" helps you plan, focus, make decisions, and solve problems.



Fun Facts & Cool Brain Ideas!

- The brain makes new connections when you learn!
- Dreams happen when the brain is active during sleep.
- Emotions make memories stronger.
- The cerebellum builds muscle memory.
- Your brain uses 20% of your energy, even when you're doing nothing!
- Each brain is unique, like a fingerprint!



The 4 Lobes

Frontal Lobe:

Planning, decisions, focus

Traits: leader-like, confident

Temporal Lobe:

Hearing, language, memories

Traits: good listener, loves music

Parietal Lobe:

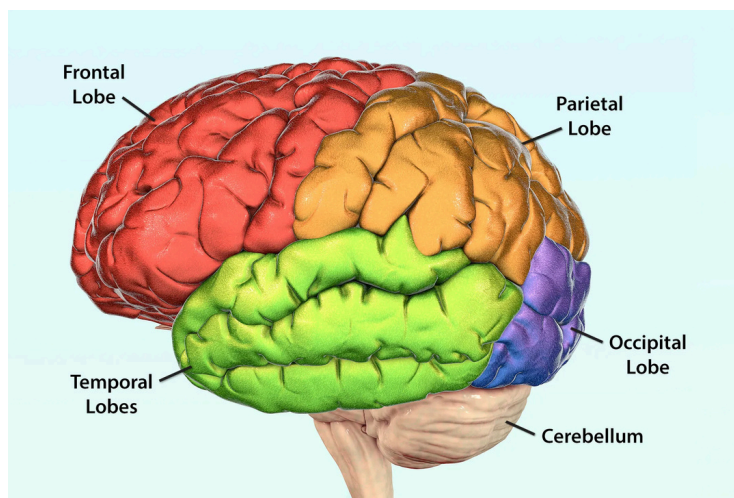
Reading, writing, touch

Traits: detail-focused, fast learner

Occipital Lobe:

Visual understanding

Traits: strong imagination, visual learner



Summary

WE EXPLORED THE INCREDIBLE WORLD OF THE BRAIN! WE COVERED THE MAIN PARTS, THEIR FUNCTIONS, THE DIFFERENCES BETWEEN THE LEFT AND RIGHT BRAIN, AND THE FOUR LOBES. REMEMBER, YOUR BRAIN IS A POWERFUL TOOL – USE IT WISELY!