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### Our Brain

*Maria Thanopoulou, Alexandra Felouka, Maria Anterrioti*

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## Our Brain

Maria Thanopoulou, Alexandra Felouka, Maria Anterrioti

### Abstract

This proposition consists of the project we took part in, regarding our brain. Through our presentation, we present the function of the brain briefly, as well as the importance of it. Moreover, the two different parts of the human brain are analyzed. Lastly, we also refer to the lead differences between the male and the female brain.

**Keywords:** *brain, left/right part, differences*

### 1. Introduction

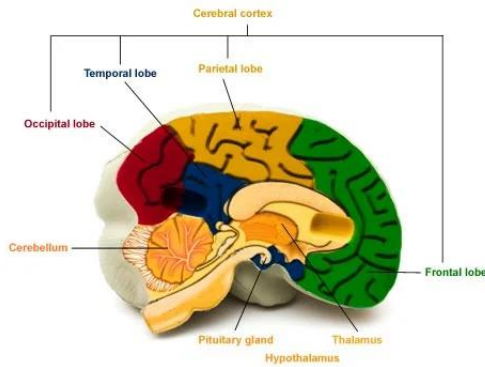
The process of making this project was interesting and complex as well. We researched a lot, visited various sites and read a handful of information in order for it to be done effectively. Our goal was to examine both sides of the brain, the left and the right one, and find out about their different functions. Moreover, we talked about the importance of the brain itself. We also prepared a quiz that can tell anyone if they are a left or right brain thinker. Lastly, we examined the difference in size between the female and the male brain and how this difference doesn't affect their intelligence.

### 3. Why is the brain important?

The brain is the command center that controls the nervous system. When people damage different parts of the brain, they may notice Trusted Source changes in their personality, movement, vision, sleep, and other important bodily functions. The brain sends chemical and electrical signals throughout the body to regulate different biological functions and sense environmental changes. The brain communicates with the majority of the body through the spinal cord. To do this, it uses billions of nerve cells throughout the CNS.

### 4. The 7 brain parts

- Cerebral cortex
- Cerebellum
- Hypothalamus
- Thalamus
  
- Pituitary gland
- Pineal gland
- Amygdala
- Hippocampus
- Mid- brain



### **5. The left and right part**

People are said to prefer one type of thinking over the other. Just like we are left or right handed, we are left or right thinkers. The differences between the two are mostly relevant to the way each person processes information and how they act on it. To be more specific:

The right side of the brain is best at creative and expressive tasks. Right- thinkers are said to probably also be more emotional than the others. Most of the time they think with their heart and not their head.

On the contrary, the people whose brain is left dominant are more adept at tasks that involve logic and analytical thinking. Their way of thinking is more likely to be rational and organized.

### **6. Our own research**

While preparing our presentation, we decided to get to know our audience better. So, in order to do that, we prepared some questions to reveal if the audience works better with their right side or the left side of their brain.

*Here are the questions that we our audience answered in order to find out more about themselves:*

#### 1<sup>st</sup> question:

Would you prefer to pass the time by:

- a. Solving a puzzle or math problem
- b. Listening to music and drawing

#### 2<sup>nd</sup> question:

Is it easier for you to remember people by their:

- a. Name
- b. Face

3<sup>rd</sup> question:

If you fold your hands, which thumb feels more comfortable on top?

- a. Right
- b. Left

4<sup>th</sup> question:

When you're taking a test, do you prefer the questions to be:

- a. Objective (True/False)
- b. Subjective (Discussion)

5<sup>th</sup> question:

If you cross your legs, which leg feels more comfortable on top?

- a. Right
- b. Left

6<sup>th</sup> question:

When you hear a new song, are you more interested in:

- a. The lyrics
- b. The melody/rhythm

7<sup>th</sup> question:

Based on your opinion, do you have a good imagination?

- a. No
- b. Yes

8<sup>th</sup> question:



When you look at the attached picture, do you think the lady is moving:

- a. Clockwise
- b. Anti-clockwise

9<sup>th</sup> question:

Usually, do you judge someone/something based on:

- a. A logical reason that came up to mind
- b. Your feelings toward that person/thing

**Results:**

If you got more **A's** than B's, you are **LEFT BRAIN DOMINANT**

**YOU ARE: LOGICAL, A PLANNER, RATIONAL, YOU LOVE PUZZLES AND YOU'RE AN ANALYTICAL THINKER**

If you scored more **B's** than A's, you are **RIGHT BRAIN DOMINANT**

**YOU ARE: CREATIVE, INTUITIVE, EMOTIONAL, YOU LOVE ART, AND YOU ARE A FREE THINKER**

### ***7. what are the differences between male and female brains?***

Women's brains are about 11% smaller than men's, in proportion to their body size. Smaller brains allow certain features, such as a slightly higher ratio of gray matter to white matter, and a higher ratio of connections between, versus within, cerebral hemispheres.

### ***8. are men's and women's brains wired differently?***

A Question of Size. Compared to body size, men's brains are eight to 10 percent larger than those of women. But there are no real differences in IQ between men and women. In order to achieve the same IQ in a smaller space, women's brains find different wiring solutions for the same tasks that men do.

### ***9. what makes the female brain different?***

On average, males and females showed greater volume in different areas of the cortex, the outer brain layer that controls thinking and voluntary movements. Females had greater volume in the prefrontal cortex, orbitofrontal cortex, superior temporal cortex, lateral parietal cortex, and insula. Although the male brain is 10 percent larger than the female brain, it does not impact intelligence. Despite the size difference, men's and women's brains are more alike than they are different. One area in which they do differ is the inferior-parietal lobule, which tends to be larger in men.

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