

Name _____

International Left-Handers Day

Answer Key

Correction Marks

Being left-handed is relatively rare compared to right-handedness due to a combination of genetic, biological, and environmental factors. While the exact cause of left-handedness is not fully understood, it is believed to be influenced by a combination of genetic predisposition and environmental factors during fetal development. Studies have shown that left-handedness often runs in families, suggesting a genetic component. However, it is not determined by a single gene, and the inheritance pattern is complex.

Biologically, the majority of people have a dominant hemisphere in their brain for language and motor functions, and for most, this is the left hemisphere, which is connected to the right side of the body. In left-handed individuals, there is a higher likelihood that the right hemisphere of the brain may have dominance, leading to left-handedness. Environmental factors during prenatal development, such as hormone exposure in the womb, may also play a role. Overall, the rarity of left-handedness is due to the intricate interplay of genetic, biological, and environmental factors that influence handedness, resulting in the prevalence of right-handedness in the majority of the population.

Complete Passage

Being left-handed is relatively rare compared to right-handedness due to a combination of genetic, biological, and environmental factors. While the exact cause of left-handedness is not fully understood, it is believed to be influenced by a combination of genetic predisposition and environmental factors during fetal development. Studies have shown that left-handedness often runs in families, suggesting a genetic component. However, it is not determined by a single gene, and the inheritance pattern is complex.

Biologically, the majority of people have a dominant hemisphere in their brain for language and motor functions, and for most, this is the left hemisphere, which is connected to the right side of the body. In left-handed individuals, there is a higher likelihood that the right hemisphere of the brain may have dominance, leading to left-handedness. Environmental factors during prenatal development, such as hormone exposure in the womb, may also play a role. Overall, the rarity of left-handedness is due to the intricate interplay of genetic, biological, and environmental factors that influence handedness, resulting in the prevalence of right-handedness in the majority of the population.