Elon Musk implants mind-reading chip – man's incredible transformation!

Description

Imagine controlling a computer with just your thoughts - that's the reality for Noland Arbaugh. After being paralyzed for eight years, Noland, aged 30, received a chip from Neuralink, a neurotechnology company.

Despite the focus on Elon Musk, the founder of Neuralink, Noland emphasizes the importance of the science behind the technology. He acknowledges the risks involved but sees it as a way to contribute to research and development.

The Neuralink chip allows Noland to regain some independence by using his mind to interact with a computer through a brain-computer interface. This groundbreaking technology has brought attention to the challenges and possibilities of such devices.

For Noland, the implant has opened up new possibilities, allowing him to play games and control a computer effortlessly. However, concerns about privacy and technical issues remain, highlighting the complexities of this emerging field.

While Neuralink and similar companies are pushing the boundaries of brain-computer interfaces, the future of such technology remains uncertain. Noland's experience serves as a glimpse into a world where the merging of technology and the human mind could revolutionize lives.

Vocabulary List:

1. **Neurotechnology** /ˌnjʊə.roʊˈtɛk.nɒl.ə.dʒi/ (noun): A field of technology that focuses on the interaction between the nervous system and technology.
2. **Interface** /ˈɪn.tə.fɪs/ (noun): A point of interaction or communication between two systems or components.
3. **Independence** /ˌɪndɪˈpɛndəns/ (noun): The state of being free from control or influence of others.
4. **Groundbreaking** /ˈɡraʊndˌbreɪ.kɪŋ/ (adjective): Innovative or pioneering; introducing new ideas or methods.
5. **Possibilities** /ˌpɒsəˈbɪlɪtiz/ (noun): Things that may happen or be the case; potential outcomes.
6. **Complexities** /kəmˈplɛksɪtiz/ (noun): The state of being intricate or complicated.

Comprehension Questions

Multiple Choice

1. Who are the listed contributors of the article?

   Option: Lara Lewington, Liv McMahon & Tom Gerken
   Option: Elon Musk, Noland Arbaugh & Noland Arbaugh
   Option: Tom Gerken, Lara Lewington & Elon Musk
   Option: Liv McMahon, Tom Gerken & Elon Musk

2. What company provided Noland Arbaugh with a chip for his use?

   Option: Neuralink
   Option: SpaceX
   Option: Tesla
   Option: Google Brain

3. How long had Noland Arbaugh been paralyzed before receiving the chip?

   Option: 3 years
   Option: 5 years
   Option: 8 years
   Option: 10 years

4. What technology allows Noland to interact with a computer using his mind?

   Option: Neural Processing Unit
   Option: Brain-Machine Interface
   Option: Quantum Computing
   Option: Virtual Reality

5. What has Noland been able to do with the help of the chip?

   Option: Control a TV
   Option: Play games and control a computer
   Option: Make phone calls
   Option: Drive a car

6. What concerns have been raised regarding the use of the Neuralink chip?

   Option: Battery life
   Option: Too expensive
   Option: Privacy and technical issues
   Option: Not effective

True-False

7. Noland Arbaugh is the founder of Neuralink.

8. Elon Musk is the focus of Noland Arbaugh's discussions regarding Neuralink.

9. Noland Arbaugh is concerned about the risks involved in using the Neuralink chip.

10. The Neuralink chip allows Noland to regain no independence.

11. Noland has only used the chip for medical purposes.

12. The future of brain-computer interfaces is certain and predictable.

Gap-Fill

13. Noland Arbaugh received the chip from Neuralink after being paralyzed for _____

years.

14. The Neuralink chip enables Noland to interact with a computer through a brain-computer

_____ .

15. Noland sees the technology as a way to contribute to research and _____ .

16. Despite the focus on Elon Musk, Noland emphasizes the importance of the _____

behind the technology.

17. The concerns about privacy and technical issues highlight the complexities of this

_____ field.

18. Noland's experience with the chip has opened up new _____ , such as playing games

and controlling a computer.

Answer

Multiple Choice: 1. Lara Lewington, Liv McMahon & Tom Gerken 2. Neuralink 3. 8 years 4. Brain-Machine Interface 5. Play games and control a computer 6. Privacy and technical issues
True-False: 7. False 8. True 9. True 10. False 11. False 12. False
Gap-Fill: 13. 8 14. interface 15. development 16. science 17. emerging 18. possibilities

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What term is used to describe the sudden increase in cases of a disease in a specific area?

    Option: Cure
    Option: Outbreak
    Option: Epidemic
    Option: Vaccination

2. Which field involves the study of the brain-machine interface?

    Option: Sociology
    Option: Neurotechnology
    Option: Agriculture
    Option: Meteorology

3. What term means to accept standards that are lower than desirable?

    Option: Standstill
    Option: Compromise
    Option: Achieve
    Option: Defend

4. Which term describes something innovative and pioneering?

    Option: Basic
    Option: Traditional
    Option: Groundbreaking
    Option: Obsolete

5. What process is used to convert data into a code to prevent unauthorized access?

Option: Decryption
Option: Finalization
Option: Encryption
Option: Validation

6. Which industry is involved in the research design and manufacture of aircraft and spacecraft?

Option: Automotive
Option: Medical
Option: Aerospace
Option: Construction

7. Which term refers to a condition that is very serious or extreme?

Option: Mild
Option: Severe
Option: Moderate
Option: Normal

8. What is the abbreviation for Artificial Intelligence?

Option: ML
Option: CI
Option: AI
Option: DI

9. When a threat or danger is completely removed it is said to be:

Option: Mitigated
Option: Avoided
Option: Contained
Option: Eliminated

10. What term refers to a point where two systems subjects organizations etc. meet and interact?

Option: Closure
Option: Interface
Option: Division
Option: Expansion

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. After the crime was reported the police launched an _____ to gather evidence.

12. The new software program seems _____ to use without proper training.

13. The expansion of the business opens up new _____ for growth and development.

14. The hacker used a hidden _____ to gain unauthorized access to the company's

database.

15. The country celebrated its _____ day with parades and fireworks.

16. The parents were _____ about their child's sudden drop in grades.

17. The flowers on display were so perfect they looked _____ but they were actually

made of silk.

18. The project faced numerous _____ that required careful planning and coordination.

19. The patient's condition deteriorated and doctors had to take immediate action to prevent

_____ complications.

20. The company _____ the employees for working overtime by giving them extra

benefits.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The process of administering a vaccine to protect against a disease.
22. Lacking experience or understanding often resulting in poor judgment or decision-making.
23. The act of making something easier to understand or do.
24. Introducing new ideas or methods that are creative and original.
25. The monitoring of behavior activities or information for the purpose of gathering intelligence or preventing crime.
26. Incapable of producing any useful result; pointless.
27. The possible effects or consequences of an action decision or event.

28. The range of different people or things; variety.

29. A substance that drives or impels an object forward.

30. Relating to or situated in outer space especially in orbit around a celestial body.

Answer

Multiple Choice: 1. Outbreak 2. Neurotechnology 3. Compromise 4. Groundbreaking 5. Encryption 6. Aerospace 7. Severe 8. AI 9. Eliminated 10. Interface

Gap-Fill: 11. Investigation 12. Complicated 13. Possibilities 14. Backdoor 15. Independence 16. Concerned 17. Artificial 18. Complexities 19. Severe 20. Compensated

Matching sentence: 1. Vaccination 2. Naive 3. Simplify 4. Innovative 5. Surveillance 6. Futile 7. Implications 8. Diversity 9. Propellant 10. Orbital

CATEGORY

1. Sci/Tech - LEVEL3

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