



'The Inescapable Grip of Magnetism: How a Force Stronger than Gravity Became Trapped within Earth'

Description

In the book "CHARGE: Why Does Gravity Rule?" by theoretical physicist Frank Close, he delves into the fundamental forces that shape our world, exploring the relationship between positive and negative charges and the impact on gravity. Magnetism, a tangible force, is a manifestation of electricity and plays a crucial role in our world. From the Earth's liquid core generating a magnetic field to the magnetic properties of rocks containing iron, magnetism is ever-present. The interaction between a bar magnet and iron filings demonstrates the magnetic force's behavior, showcasing its influence on Earth's magnetic poles. Legends of ancient Greece and discoveries in the Iron Age highlight humanity's long-standing knowledge of magnetism. Overall, magnetism has been essential for centuries, influencing our understanding of the world. This excerpt is from Close's book, "CHARGE: Why Does Gravity Rule?" published by Oxford University Press.

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Warning: Trying to access array offset on false in `/home/u750883576/domains/esl-news.com/public_html/wp-content/plugins/gpt-post-quiz/includes/admin/forms/gpoq-post-pdf-questions.php` on line 76

Vocabulary List:



1. **Delves** // (verb): To investigate or explore deeply.
2. **Manifestation** // (noun): An event action or object that clearly shows or embodies something.
3. **Crucial** // (adjective): Extremely important or necessary.
4. **Interaction** // (noun): Communication or direct involvement with someone or something.
5. **Showcasing** // (verb): Displaying or exhibiting something to its full potential.
6. **Legends** // (noun): Traditional stories about famous or historical events or people.

Vocabulary quizzes

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

1. What is the term for the act of demonstrating or showing something?
Option: A. Interaction
Option: B. Transparency
Option: C. Manifestation
Option: D. Equipped
2. Which word refers to stories handed down from earlier times often considered historical but unauthenticated?
Option: A. Thriving
Option: B. Legends
Option: C. Discrepancies
Option: D. Improvements
3. What term is used to describe a standard or point of reference for comparison?
Option: A. Notable
Option: B. Existence
Option: C. Crucial
Option: D. Benchmark
4. Which word indicates the ability to accomplish a job with a minimum expenditure of time and effort?
Option: A. Bombards
Option: B. Efficiency
Option: C. Delves
Option: D. Configuration
5. What does the term "debunked" mean?
Option: A. Clarity
Option: B. Improvements
Option: C. Debunked



Option: D. Orbiting

6. What term is used to describe the quality of being open and honest?

- Option: A. Obscurity
- Option: B. Transparency
- Option: C. Interaction
- Option: D. Existence

7. Which word describes something or someone worthy of attention or notice?

- Option: A. Equipped
- Option: B. Notable
- Option: C. Algorithm
- Option: D. Orbital

8. What term refers to laws designed to promote fair competition in the marketplace?

- Option: A. Antitrust
- Option: B. Configuration
- Option: C. Showcasing
- Option: D. Signals

9. Which word means to present or exhibit something to its best advantage?

- Option: A. Thriving
- Option: B. Showcasing
- Option: C. Manifestation
- Option: D. Interaction

10. What term is used to indicate making something better or more satisfactory?

- Option: A. Tidally locked
- Option: B. Improvements
- Option: C. Groundbreaking
- Option: D. Orbiting

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

11. _____ between team members is vital for a project's success.

12. The moon is _____ around the Earth.

13. The scientist made a _____ discovery that changed the field of physics.

14. The new gadget has an _____ design that appeals to young consumers.



15. The same side of the moon is always _____ to the Earth.
16. The planet in the solar system _____ by solar radiation.
17. The planet's _____ for life is being investigated by scientists.
18. The team was fully _____ to handle any challenges that arose during the expedition.
19. Efficient network _____ is essential for smooth communication.
20. Could you please _____ your statement for better understanding?

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

21. The small business began after implementing the new marketing strategy.
22. The artist's work was in for years until a retrospective brought it back into the public eye.
23. The research paper into the effects of climate change on marine life.
24. The philosopher pondered the meaning of and its relation to time.
25. The IT specialist was responsible for the network of the entire office building.
26. The actor's most performance was in the critically acclaimed film.
27. The team was fully with all the necessary gear for the dangerous expedition.
28. The new sports car set a(n) for speed and performance in its class.
29. Meaningful between coworkers can improve office morale.
30. The engineer designed a new for faster data processing.

Answer

Multiple Choice: 1. C. Manifestation 2. B. Legends 3. D. Benchmark 4. B. Efficiency 5. C. Debunked
6. B. Transparency 7. B. Notable 8. A. Antitrust 9. B. Showcasing 10. B. Improvements

Gap-Fill: 11. Interaction 12. Orbiting 13. Groundbreaking 14. Ultra-cool 15. Tidally locked 16. Bombards
17. Habitability 18. Equipped 19. Configuration 20. Clarify

Matching sentence: 1. Thriving 2. Obscurity 3. Delves 4. Existence 5. Configuration 6. Notable 7. Equipped
8. Benchmark



9. Interaction 10. Algorithm

CATEGORY

1. Sci/Tech - LEVEL2

Date Created

2024/05/27

Author

aimeeyoung99

ESL-NEWS.COM