America leads in quantum computing, even if China spends more money, but a mistake might lessen U.S. control.

Description

Quantum computing is a new frontier in technology that could drastically increase computing power. By harnessing the laws of physics, quantum computers potentially work much faster than traditional computers. They could quickly solve large computing tasks, fast-charge batteries and boost machine learning. These high-tech computers could even speed up the discovery of new medicines.

The United States is currently leading this technology revolution. In particular, the company IonQ has made significant progress in the quantum field. Co-founded by professors from Duke and the University of Maryland, the company has received a lot of government funding. In 2020, they opened a high-tech center for their quantum machines. Following this, the company's value was estimated to be $2 billion.

Clearly, quantum computing has immense potential. However, maintaining the US's leading position in this field may require continued support and investment from the government.

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Vocabulary List:

1. **Frontier** // (noun): A new and unexplored area.
2. **Drastically** // (adverb): In a way that is likely to have a strong or far-reaching effect.
3. **Harnessing** // (verb): Using or controlling something for a particular purpose.
4. **Potentially** // (adverb): In a way that is possible or likely to happen in the future.
5. **Revolution** // (noun): A suddencompleteor marked change in something.
6. **Progress** // (noun): Development towards an improved or more advanced condition.

Vocabulary quizzes

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

1. What type of situation requires immediate action to prevent harm?

   Option: Positive
   Option: Emergency ready
   Option: Special
   Option: Protected

2. Which term refers to the introduction of new ideas or methods?

   Option: Research
   Option: Innovation
   Option: Closed down
   Option: Economy

3. What instrument is used to observe distant objects?

   Option: Observatory
   Option: Telescope
   Option: X-Ray
   Option: Budget

4. What word describes a situation that is not definite or decided?

   Option: Drastically
   Option: Harnessing
   Option: Potentially
   Option: Uncertain

5. Which term signifies advancement or improvement?

   Option: Support

Option: Progress
Option: Observatory
Option: Economy

6. What is financial assistance provided for a specific purpose?

Option: Campus
Option: Grant
Option: Shipments
Option: Firms

7. Which term refers to the extreme limit of understanding or achievement in a particular area?

Option: Industries
Option: District
Option: Frontier
Option: Firms

8. Who is typically a person who has authority over others in a workplace?

Option: Climate change
Option: Revolution
Option: Boss
Option: Pathways

9. Which term refers to an area defined for a particular purpose or organization?

Option: Industry
Option: District
Option: Support
Option: Campus

10. A sudden complete or marked change. This term is known as:

Option: Progress
Option: Innovation
Option: Revolution
Option: Observatory

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

11. _____ play a vital role in the economic development of a country.

12. _____ is a significant environmental challenge we face today.

13. The rapid advancement of _____ has transformed various sectors.

14. _____ is crucial for discovering new knowledge and innovations.

15. Effective financial planning requires a well-defined _____ .

16. The company experienced delays in its international _____ due to customs issues.

17. Global factors often influence the stability of the _____ .

18. Companies that prioritize _____ are more likely to stay competitive.

19. Track your achievements to monitor your personal _____ .

20. In times of need it's essential to seek emotional and practical _____ .

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

21. Exploring different can lead to new opportunities and insights.
22. The company had to reduce its workforce to cut costs.
23. renewable energy sources is essential for a sustainable future.
24. Astronomers use the to study celestial objects.
25. Maintaining a attitude can improve overall well-being.
26. Celebrating achievements with a event made the occasion memorable.
27. Endangered species should be to ensure their survival.
28. in the tech sector are known for their innovative products.
29. The local bookstore due to declining sales.
30. Exploring the of science can lead to groundbreaking discoveries.

Answer

Multiple Choice: 1. Emergency ready 2. Innovation 3. Telescope 4. Uncertain 5. Progress 6. Grant 7. Frontier 8. Boss 9. District 10. Revolution
Gap-Fill: 11. Industries 12. Climate change 13. Technology 14. Research 15. Budget 16. Shipments 17. Economy

18. Innovation 19. Progress 20. Support

Matching sentence: 1. Pathways 2. Drastically 3. Harnessing 4. Observatory 5. Positive 6. Special 7. Protected 8. Firms 9. Closed down 10. Frontier

CATEGORY

1. Sci/Tech - LEVEL1

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