



A 16-Year-Old Earned \$75,000 Prize at Science Fair for Biomedical Device Research

Description

Grace Sun, a 16-year-old from Kentucky, recently won \$75,000 for her groundbreaking research on biomedical devices at the Regeneron International Science and Engineering Fair. Her work on organic electronic devices has the potential to make medical implants safer and more effective, with the aim of improving healthcare for all.

Despite her young age, Grace has spent over six months tirelessly working on her project in a university lab, demonstrating dedication and passion for her research. Her innovative technique to enhance the performance of organic electronic devices has shown promising results, with the devices becoming more sensitive and accurate.

With her sights set on a future in chemical engineering, Grace hopes to continue making advancements in medicine and impact people's lives on a broader scale. Her impressive achievement at the science fair has not only earned her a substantial cash prize but also recognition as a young scientist with great potential for the future.

Vocabulary List:

1. **Groundbreaking** // (adjective): Innovative and pioneering introducing new ideas or methods.
2. **Biomedical** // (adjective): Relating to both biology and medicine.
3. **Implants** // (noun): Artificial tissues or devices placed inside the body.
4. **Innovative** // (adjective): Introducing new ideas or methods original and creative in thinking.
5. **Advancements** // (noun): Progress or development in a particular field.
6. **Recognition** // (noun): Acknowledgment or praise for one's actions abilities or qualities.

Vocabulary quizzes

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

1. Which term is used to describe the new product launch?

Option: Unveiled

Option: Enhances

Option: Biomedical



Option: Revolutionizing

2. What type of treatment boosts the body's natural defenses to fight cancer?

Option: Affordable

Option: Immunotherapy

Option: Sustainability

Option: Predicting

3. Which term describes the ongoing progress in the field?

Option: Funded

Option: Universal

Option: Advancing

Option: Sustainability

4. Which term signifies a significant innovation?

Option: Tracing

Option: Breakthrough

Option: Universal

Option: Groundbreaking

5. What characteristic makes the product accessible to a wide range of consumers?

Option: Recognition

Option: Advancing

Option: Affordable

Option: Innovative

6. Which term describes the approach as fresh and creative?

Option: Implants

Option: Recognition

Option: Innovative

Option: Sustainability

7. What have the accomplishments led to in the industry?

Option: Inspire

Option: Recognition

Option: Embarked

Option: Immunotherapy

8. Which term best describes the impact of the new technology?



- Option: Revolutionizing
- Option: Predicting
- Option: Operational
- Option: Immunotherapy

9. Which term relates to the field of science integrating biology and medicine?

- Option: Biomedical
- Option: Perseverance
- Option: Revolutionizing
- Option: Recognition

10. Which term denotes long-term viability and ecological balance?

- Option: Operational
- Option: Sustainability
- Option: Ultrasonic
- Option: Accomplishments

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

- 11. The newly funded project will enhance research _____.
- 12. The advancement in technology allows for _____ treatment plans for patients.
- 13. The company has _____ since the new CEO took over.
- 14. The study focuses on the impact of human activities on the _____ ecosystem.
- 15. The research team _____ on a journey to discover new treatments.
- 16. The _____ of the scientists led to significant breakthroughs.
- 17. The team's hard work and dedication resulted in remarkable _____.
- 18. The model is capable of accurately _____ future trends in the market.
- 19. The new software _____ user experience and productivity.
- 20. The industry has become more _____ due to recent innovations.

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



21. The medical device uses waves to detect abnormalities in tissues.
22. The new drug was termed a major in cancer treatment.
23. The technology enables precise of the origin of contaminated products.
24. The company aims to provide a solution accessible to all users.
25. The scientist's led to a successful outcome after years of research.
26. The team's innovation is expected to others in the industry.
27. The new funding will go towards upgrading research .
28. The latest software update significantly productivity.
29. The company is known for its approach to product development.
30. The goal is to improve the of healthcare services to all communities.

Answer

Multiple Choice: 1. Unveiled 2. Immunotherapy 3. Advancing 4. Groundbreaking 5. Affordable 6. Innovative 7. Recognition 8. Revolutionizing 9. Biomedical 10. Sustainability

Gap-Fill: 11. Facilities 12. Personalized 13. Operational 14. Bioenvironmental 15. Embarked 16. Determination 17. Accomplishments 18. Predicting 19. Enhances 20. Competitive

Matching sentence: 1. Ultrasonic 2. Breakthrough 3. Tracing 4. Universal 5. Perseverance 6. Inspire 7. Facilities 8. Enhances 9. Innovative 10. Accessibility

CATEGORY

1. Sci/Tech - LEVEL1

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