

# Unlocking the Symphony of Genes and Chromosomes

## Description

Jenny Graves is a scientist who studies evolution and enjoys singing in a choir. She has sung the famous oratorio, *The Creation*, by Joseph Haydn many times. This work tells the story of how God made the world in seven days. However, Jenny wanted a new story based on science. So, she wrote a new choral piece called *Origins of the Universe, of Life, of Species, of Humanity*. In this work, she shares ideas from many sciences, like biology and astronomy.

Jenny's piece is funny and interesting. She believes in using facts from science. When some singers disagreed with her ideas, she encouraged them to keep singing. Many people loved her music. Last summer, she performed *Origins* with a large choir and orchestra in Melbourne, Australia, and received a standing ovation.

Jenny was born in Adelaide, Australia. She did not like biology at first. However, after learning about budgerigars, she became fascinated by genetics. Her love for science has led her to many exciting discoveries.

## Vocabulary List:

1. **Oratorio** /'ɔrə'torɪəʊ/ (noun): A large musical composition for orchestra choir and soloists that tells a story.
2. **Choral** /'kɔ:rəl/ (adjective): Relating to a choir or music sung by a choir.
3. **Fascinated** /'fæsɪ,nɪtɪd/ (adjective): Extremely interested or attracted by something.
4. **Genetics** /dʒə'nɛtɪks/ (noun): The study of heredity and the variation of inherited characteristics.
5. **Ovations** /'oʊ'veeʃənz/ (noun): Enthusiastic recognition or applause for a performance.
6. **Became** /bɪ'keɪm/ (verb): To begin to be; to come to be.

## Comprehension Questions

### Multiple Choice

1. What is the title of the famous oratorio by Joseph Haydn that Jenny Graves has sung many times?  
Option: The Creation  
Option: The Messiah  
Option: Requiem

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Option: Carmen

2. Where did Jenny Graves perform her choral piece <em>Origins of the Universe, of Life, of Species, of Humanity</em> last summer?

Option: Paris, France

Option: Melbourne, Australia

Option: New York City, USA

Option: Tokyo, Japan

3. Which two sciences are specifically mentioned regarding the ideas shared by Jenny Graves in her choral piece?

Option: Physics and Chemistry

Option: Biology and Astronomy

Option: Geology and Psychology

Option: Sociology and Economics

4. Where was Jenny Graves born?

Option: Sydney, Australia

Option: Adelaide, Australia

Option: London, England

Option: Los Angeles, USA

5. What is the main reason Jenny Graves became fascinated by genetics?

Option: Learning about kangaroos

Option: Learning about budgerigars

Option: Learning about dolphins

Option: Learning about elephants

6. In which field does Jenny Graves specialize as a scientist?

Option: Astrophysics

Option: Botany

Option: Evolutionary Biology

Option: Environmental Science

### True-False

7. Jenny Graves performed <em>Origins of the Universe, of Life, of Species, of Humanity</em> in London, England.

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8. Jenny Graves encourages singers who disagree with her ideas to stop singing.

9. Jenny Graves was initially interested in geology before switching to biology.

10. Jenny Graves wrote her choral piece based on ideas from literature and history.

11. Jenny Graves received a standing ovation after her performance in Melbourne, Australia.

12. Jenny Graves believes in using facts from science in her music.

### Gap-Fill

13. Jenny Graves wanted a new story based on \_\_\_\_\_, so she wrote a choral piece called <em>Origins of the Universe, of Life, of Species, of Humanity</em>.

14. After learning about budgerigars, Jenny Graves became fascinated by \_\_\_\_\_.

15. Jenny Graves performed <em>Origins of the Universe, of Life, of Species, of Humanity</em> with a large choir and orchestra in \_\_\_\_\_, Australia, last summer.

16. Jenny Graves was born in \_\_\_\_\_, Australia.

17. Jenny Graves has sung the famous oratorio <em>The Creation</em> by \_\_\_\_\_ many times.

18. Jenny Graves specializes in the field of \_\_\_\_\_ as a scientist.

### Answer

**Multiple Choice:** 1. The Creation 2. Melbourne, Australia 3. Biology and Astronomy 4. Adelaide, Australia 5. Learning about budgerigars 6. Evolutionary Biology

**True-False:** 7. False 8. False 9. False 10. False 11. True 12. True

**Gap-Fill:** 13. science 14. genetics 15. Melbourne 16. Adelaide 17. Joseph Haydn 18. Evolutionary Biology

### Vocabulary quizzes

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

1. What type of products are typically restored to like-new condition before being resold?

- Option: Brand new
- Option: Used
- Option: Defective
- Option: Irreplaceable

2. What is a large-scale musical work for orchestra and voices typically on a religious theme?

- Option: Opera
- Option: Sonata
- Option: Concerto
- Option: Symphony

3. Which field of biology focuses on the study of heredity and variation in organisms?

- Option: Botany
- Option: Ecology
- Option: Astrophysics
- Option: Genetics

4. Which holiday is celebrated on December 25th each year?

- Option: Thanksgiving
- Option: Halloween
- Option: Easter
- Option: Christmas

5. Which of the following is a reduction in the usual price of an item?

- Option: Markup
- Option: Premium
- Option: Discount
- Option: Tax

6. What natural light display in the Earth's sky predominantly seen in high-latitude regions?

- Option: Lightning
- Option: Sunset
- Option: Rainbow
- Option: Aurora

7. What is the process of transporting goods from a source location to a predefined destination?

- Option: Production
- Option: Delivery
- Option: Manufacturing

Option: Packaging

8. Which term describes something firmly established and not likely to change quickly or significantly?

Option: Fluctuating

Option: Volatile

Option: Stagnant

Option: Stable

9. What is the act of calling off or terminating something?

Option: Initiation

Option: Delay

Option: Extension

Option: Cancellation

10. Which term is used to describe difficulties or challenges that need to be resolved?

Option: Solutions

Option: Problems

Option: Improvements

Option: Achievements

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

11. The store is having a \_\_\_\_\_ on all winter clothing.

12. The company always puts its \_\_\_\_\_ first by providing excellent service.

13. The package was \_\_\_\_\_ to the wrong address.

14. He \_\_\_\_\_ for arriving late to the meeting.

15. The storm \_\_\_\_\_ the structure of the old building.

16. The complex instructions left him \_\_\_\_\_ about what to do next.

17. She carefully considered all her \_\_\_\_\_ before making a decision.

18. You need to \_\_\_\_\_ if you want to catch the last train.

19. He had to \_\_\_\_\_ for his mistake during the presentation.

20. The new layout of the website left users feeling \_\_\_\_\_.

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

21. The intricate details of the art piece left the viewers totally intrigued.
22. The outstanding performance received thunderous applause from the audience.
23. The powerful words of the speaker drew the audience in like a magnet.
24. The sudden change in policy led to a complete reversal of fortunes for the company.
25. After the misunderstanding she sincerely said sorry for the confusion.
26. She used a voucher to get a discounted price on her purchase.
27. During the clearance sale all items were offered at reduced prices.
28. The complex math problem left the students puzzled and uncertain.
29. The steady financial growth of the company indicated a secure and consistent future.
30. In a rush to leave he quickly packed his bags and ran out the door.

**Answer**

**Multiple Choice:** 1. Used 2. Opera 3. Genetics 4. Christmas 5. Discount 6. Aurora 7. Delivery 8. Stable 9. Cancellation 10. Problems

**Gap-Fill:** 11. sale 12. customers 13. delivered 14. apologized 15. weakened 16. confused 17. options 18. hurry 19. apologize 20. confused

**Matching sentence:** 1. Fascinated 2. Ovations 3. Magnetic 4. Reversal 5. Apologized 6. Coupon 7. Discounts 8. Confused 9. Stable 10. Hurried

**CATEGORY**

1. Sci/Tech - LEVEL1

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