

Unit 7

Unit 7 Passage 1: Stephen Hawking: A Brilliant Mind

Stephen Hawking was a famous scientist known for his work on black holes and the universe. He was born in Oxford, England, in 1942. From a young age, Stephen loved to learn about science and space. He went to the University of Cambridge to study physics and mathematics. His intelligence was clear, but his life changed dramatically when he was diagnosed with ALS, a disease that causes muscles to weaken.

Even though Stephen could not move or speak on his own, he never stopped working. He used a special computer that allowed him to communicate by moving his cheek muscles. Stephen made many important discoveries in space science. One of his greatest achievements was discovering that black holes can give off energy, which is now called Hawking radiation. This idea changed how scientists think about black holes.

Stephen also wrote a famous book called *A Brief History of Time*. The book helped many people understand difficult topics like time, space, and the universe. His work inspired millions of people around the world to learn more about science. Despite his challenges, Stephen proved that nothing could stop him from achieving great things.

Stephen Hawking passed away in 2018, but his ideas continue to inspire scientists and everyday people. His life shows that no matter what difficulties we face, we can still make important contributions to the world. Stephen Hawking will always be remembered for his amazing mind and determination.

Reading comprehension

A. Answer the questions.

Answer the questions in full sentences.

1. What disease did Stephen Hawking have?

2. What did Stephen Hawking discover about black holes?

3. What is the title of Stephen Hawking's famous book?

4. How did Stephen Hawking communicate?

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Reading Comprehension and More

5. What did Stephen Hawking teach us about life?

 **LIVEWORKSHEETS**

B. Choose the correct answers.

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1. What field of study did Stephen Hawking focus on?
 - a) Chemistry
 - b) Physics and mathematics
 - c) Biology
2. What challenge did Stephen Hawking face in his life?
 - a) He was born blind.
 - b) He was diagnosed with ALS, a disease that weakens muscles.
 - c) He lost his memory in his early years.
3. What was one of Stephen Hawking's greatest achievements?
 - a) He discovered that the Earth is flat.
 - b) He discovered that black holes can give off energy.
 - c) He created the first space rocket.
4. What is A Brief History of Time about?
 - a) The history of human evolution
 - b) The history of space and time
 - c) The development of technology
5. What did Stephen Hawking prove to the world?
 - a) That being sick can stop people from achieving their dreams.
 - b) That nothing can stop someone from achieving great things.
 - c) That people should only work in fields where they feel healthy.
6. What did Stephen Hawking's life and work inspire people to do?
 - a) To study medicine
 - b) To explore space
 - c) To learn more about science
7. How is Stephen Hawking remembered after his passing?
 - a) For his work in the field of technology
 - b) For his amazing mind and determination
 - c) For his work on the human body

Vocabulary

A. Fill in the blanks.

Fill in the blanks with the correct words in parentheses.

(discovery, challenges, communicate, famous, theory, knowledge, space)

1. Stephen Hawking made many important _____ about black holes and the universe.
2. Despite facing many physical _____, he continued his groundbreaking work in science.
3. Stephen Hawking is _____ for his work on Hawking radiation and black holes.
4. He used a special computer to _____ with others, despite his physical limitations.
5. One of Stephen Hawking's most important _____ was that black holes can give off energy.
6. His _____ helped scientists understand how time and space are connected.
7. Stephen's work on _____ and black holes has inspired millions of people worldwide.

B. Choose the correct words.

Choose the word that does not belong in each group.

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|---|--|
| 1. a) Book
b) Teacher
c) Researcher
d) Scientist | 4. a) Motivation
b) Inspiration
c) Challenge
d) Knowledge |
| 2. a) Achievement
b) Success
c) Discovery
d) Radiation | 5. a) Famous
b) Motivation
c) Popular
d) Recognized |
| 3. a) Space
b) Galaxy
c) Disease
d) Black hole | 6. a) Space
b) Theory
c) Black hole
d) Discovery |