

Article-Based Observation: Q

Directions: Read the article "[Stephen Hawking's legacy will live on](#)" and then answer these questions:

1. Where did Stephen Hawking study and work?

2. What was Hawking's most famous discovery and when did it occur?

3. How does Hawking radiation occur? Has it ever been observed?

4. Why does Hawking radiation cause a paradox according to quantum mechanical principles? What is one possible solution to the paradox proposed by Hawking and his colleagues? Why is this paradox difficult for scientists to solve?

5. What were some of Hawking's other research accomplishments?

6. How did Hawking help to popularize science?

7. What disease did Hawking have? What effects did the disease have on him?

8. What questions do you still have after reading the article?

9. Write a poem to commemorate Stephen Hawking's work as described by the article. Name the type of poem that you select to write.