

## Core Skills Analysis

### Science

- The student learned the periodic table trends like atomic number, atomic mass, and valence electrons.
- They practiced identifying elements and their symbols based on their position in the periodic table.
- They understood the importance of the periodic table in predicting element properties and chemical reactions.
- The student explored the concept of periodicity and how it helps in grouping elements with similar properties.

### Tips

To further enhance your understanding of the periodic table, consider creating flashcards with element names, symbols, and key properties. You can also participate in online quizzes or games related to the periodic table to make learning more interactive and engaging. Exploring real-life applications of elements and conducting simple experiments can deepen your appreciation for the subject.

### Book Recommendations

- [The Disappearing Spoon: And Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements](#) by Sam Kean: A captivating book that tells fascinating stories of elements from the periodic table, making science history intriguing and fun for young readers.
- [The Periodic Table in Minutes](#) by Dan Green: A concise guide that explains the periodic table and its significance in easy-to-understand terms, perfect for curious teenagers.
- [Why Chemical Reactions Happen: An Exploration of High School Chemistry](#) by James K. Albright: An informative book that delves into the world of chemical reactions, offering valuable insights for young chemistry enthusiasts.