

## Core Skills Analysis

### Science

- By filling out the blank periodic table, the student likely gained a better understanding of how elements are organized based on their atomic number and properties.
- This activity may have helped the student grasp the concept of periodicity and how certain properties of elements recur in a periodic manner.
- Completing the periodic table can enhance the student's awareness of different element categories like metals, non-metals, and metalloids.
- Through this hands-on approach, the student might have improved their memorization of element symbols and atomic numbers, aiding in better retention of scientific information.

### Tips

Continued development can involve creating mnemonic devices or songs to remember the order of elements in the periodic table. Additionally, exploring online interactive periodic tables or participating in periodic table games can make learning more engaging and fun. Lastly, discussing the real-world applications of different elements, such as in everyday materials or industries, can provide context for the student's knowledge.

### 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: An engaging and entertaining book that delves into the fascinating stories behind each element on the periodic table, making it a delightful read for science enthusiasts.
- [The Periodic Table: A Visual Guide to the Elements](#) by Paul Parsons: This visually stunning book provides detailed information on each element, accompanied by beautiful illustrations, making it an excellent reference for anyone interested in chemistry.
- [The Elements: A Visual Exploration of Every Known Atom in the Universe](#) by Theodore Gray: A visually captivating book that explores the elements through stunning photography and interesting facts, offering a unique perspective on the building blocks of our world.