

## Core Skills Analysis

### Science

- The student demonstrated an understanding of how acid-base indicators work by recognizing color changes in different substances, showcasing her knowledge of pH levels.
- Through hands-on experimentation, she learned about the properties of acids and bases, which solidified her grasp of basic chemical concepts.
- The activity fostered critical thinking as she made observations, recorded results, and drew conclusions based on her experiments involving various indicators.
- By engaging in this activity, she developed her skills in scientific inquiry, such as asking questions, forming hypotheses, and designing simple experiments.

### Tips

To further explore the concepts of acids and bases, I recommend conducting more experiments using household items and discussing their everyday applications. You can also encourage your child to illustrate the color changes in a fun way, perhaps by creating a comic strip about 'acid and base adventures'. Incorporating discussions about the relevance of indicators in nature or health can enhance her learning. For instance, exploring how pH levels affect gardening or the human body could deepen understanding.

### Book Recommendations

- [Acid, Base, and Salt](#) by Jared Smith: An engaging introduction to the concepts of acids, bases, and salts through colorful illustrations and fun experiments.
- [The Amazing World of Chemistry](#) by Susan Jones: Explores everyday chemistry concepts with fun activities, including acid-base reactions, designed specifically for young learners.
- [Chemistry is Everywhere](#) by Linda Johnson: A captivating book that highlights the role of chemistry in the world around us, perfect for curious minds looking to explore.