

Core Skills Analysis

Science

- Myuna explored the concept of water vapor and condensation by 'catching a cloud' in a jar, gaining a basic understanding of the water cycle in action.
- The activity demonstrated how gas (water vapor) changes to liquid form, illustrating condensation clearly for an 8-year-old learner.
- Myuna practiced making observations about changes in the jar environment, promoting skills in scientific inquiry and noting cause-effect relationships.
- This hands-on experiment fostered curiosity about weather phenomena and encouraged asking questions about natural processes.

Tips

To deepen Myuna's understanding of clouds and the water cycle, consider extending this experiment by varying conditions such as temperature or adding ice to observe how these affect condensation. Encourage Myuna to keep a weather journal to track daily weather patterns alongside simple cloud drawings, which supports both scientific observation and artistic expression. Incorporate stories or videos about how clouds form in the atmosphere to blend science with storytelling, helping build connections between the experiment and real-world weather. Finally, involve Myuna in discussions about the importance of water in our environment to foster environmental awareness.

Book Recommendations

- [The Cloud Book](#) by Tomie dePaola: A beautifully illustrated guide to different cloud types, encouraging children to observe and identify clouds in the sky.
- [What Makes It Rain?](#) by Melissa Stewart: An engaging nonfiction book that explains the water cycle and weather phenomena in simple language for young readers.
- [Little Cloud](#) by Eric Carle: A poetic story with vivid illustrations that inspires children to imagine and appreciate the shapes and movements of clouds.

Learning Standards

- NGSS 2-ESS2-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
- CCSS.ELA-LITERACY.RI.2.3: Describe the connection between a series of scientific ideas or concepts related to the water cycle.
- NGSS 3-5-ETS1-2: Generate and compare multiple possible solutions to a problem based on how well they meet the criteria and constraints of the design.

Try This Next

- Worksheet: Label the parts of the water cycle and describe what happens during condensation.
- Drawing Task: Create a comic strip showing how water vapor forms clouds and then falls as rain.