

Core Skills Analysis

Science

- Myuna observed the process of cloud formation by capturing water vapor in a jar, introducing basic weather concepts.
- This activity demonstrated condensation, showing how water vapor cools to form tiny droplets, a key concept in the water cycle.
- Through hands-on experimentation, Myuna practiced making predictions and observations about changes in states of matter (gas to liquid).
- The activity encouraged curiosity about natural phenomena, fostering foundational scientific inquiry skills.

Tips

To deepen Myuna's understanding of clouds and weather, try extending this experiment by varying conditions such as temperature or using different jars to see how condensation rates change. Connect this hands-on activity to using weather instruments like thermometers and hygrometers for real-life weather tracking. Additionally, explore the entire water cycle through creative arts—like drawing or crafting models—to reinforce how clouds fit into Earth's overall climate system. Encouraging Myuna to record observations in a science journal can foster her ability to communicate findings and track changes over time, building scientific literacy.

Book Recommendations

- [What Is a Cloud?](#) by Barbara Baigent: A kid-friendly introduction explaining different types of clouds and how they form.
- [The Water Cycle](#) by Helen Frost: An illustrated book that follows the journey of water through evaporation, condensation, and precipitation.
- [Cloudy With a Chance of Meatballs](#) by Judi Barrett: A fun, imaginative story that invites children to think about weather in creative ways.

Learning Standards

- NGSS 2-ESS2-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
- NGSS 2-ESS2-3: Obtain and combine information to describe climates in different regions of the world.
- CCSS.ELA-LITERACY.RI.2.3: Describe the connection between a series of scientific ideas or concepts.

Try This Next

- Create a worksheet with step-by-step questions about what happens during condensation and cloud formation.
- Draw your own cloud types and write a short story about a cloud's journey across the sky.