Rain Cloud Jar

Standards:
K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.
K-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.

Introduction:
Have you ever wondered how rain is created? Did you know that rain is liquid water in the form of a droplet? Droplets condense from atmospheric water vapor and then precipitate. This experiment is an easy way to demonstrate how rain in clouds form.

Materials:
- water
- clear jar/beaker/glass (either one will do)
- food coloring
- shaving foam/cream
- pipette
Safety:
- Always have an adult with you to help you during your experiment.
- Always wear eye protection and gloves when doing chemistry experiments

Procedure:
1. Fill your clear glass beaker halfway with water
2. Next, squirt shaving cream on top of the water
3. Then, drop a few drops of food coloring in different areas of the shaving cream
4. Finally, sit back and enjoy your own raining cloud in a jar!

Data and Observations:
1. Record your observations here.

Questions:
2. How is this experiment similar to clouds when it rains?

References: