

Materials

- Jar
- Water
- Shaving Cream
- Food Coloring
- Dropper/Pipette (Optional)

Instructions

1 Fill the jar 3/4 full with water. Then cover the water with shaving cream. Make sure that you completely cover the water. The shaving cream is your "rain cloud".

2 Drip water onto the shaving cream. You can use a dropper or pipette for this step if you would like. If you don't have either of those then you can fill a teaspoon with water and slowly drip the water. As you add the water, think about how it is making the rain cloud heavier.

3 Add a few drops of food coloring and wait. What happens to the food coloring? Why do you think the food coloring drips through the cloud?



The rain cloud reached a certain mass and released the water it was holding. You can't see this initially when you add the water and so the food coloring helps demonstrate the rainfall.