

DIY RAIN CLOUDS

Supplies:

- Clear jar
- Water
- Shaving Cream
- Food Coloring

Directions:

1. Fill your jar about 2/3 of the way full of water from the tap.
2. Top the water with a generous amount of shaving cream. The shaving will be your cloud on top of the water
3. Let the shaving cream settle a bit.
4. Now drop food coloring into the "cloud." As your cloud fills up, the food coloring will fall into the water creating a rain-like effect.



Questions to ask students:

- What do you observe?
- In what ways is this experiment like our weather?
- Why do you think it takes a while for the food coloring to drip through the shaving cream?
- What happens when the clouds get too full of rain droplets?
- How do clouds work?

Clouds are formed when water vapor rises into the air. When the vapor hits cold air, it turns back into droplets of water. Those tiny drops of water floating in the air collect and "stick" together to form clouds. When clouds get so full of water that they can't hold any more, the water falls back to the ground as rain.



THE MEADOWS CENTER
FOR WATER AND THE ENVIRONMENT
TEXAS STATE UNIVERSITY

www.MeadowsWater.org

meadowscenter@txstate.edu

512.245.7590



Filename: Rain Clouds.docx
Directory: /Users/Synthia/Downloads/METRICS
Template: /Users/Synthia/Library/Group Containers/UBF8T346G9.Office/User
Content.localized/Templates.localized/Normal.dotm
Title:
Subject:
Author: Huff, Anna L
Keywords:
Comments:
Creation Date: 5/18/20 1:57:00 PM
Change Number: 2
Last Saved On: 5/18/20 1:57:00 PM
Last Saved By: Huff, Anna L
Total Editing Time: 0 Minutes
Last Printed On: 5/18/20 1:57:00 PM
As of Last Complete Printing
Number of Pages: 1
Number of Words: 193
Number of Characters: 828 (approx.)