



Southern Grace

DISCOVERY LABS

RAIN CLOUD IN A JAR

What do you think will happen if you add colored water to a shaving cream cloud?



WHAT YOU NEED:

A clear jar or cup
Water
Shaving cream
Blue food coloring
Small cup or bowl
Spoon, dropper, or pipette
Paper towels

INSTRUCTIONS:

1. Fill the jar about $\frac{3}{4}$ full with water.
2. Add a thick layer of shaving cream on top of the water.
3. In a small cup, mix a few drops of blue food coloring with water.
4. Slowly add drops of the blue water onto the shaving cream cloud.
5. Watch carefully as the blue water moves through the shaving cream.
6. Keep adding drops until the "rain" begins to fall into the water below.

The shaving cream cloud holds the blue water for a little while, just like real clouds hold water droplets. When the cloud becomes too full and heavy, the water falls through as rain. This shows how precipitation happens in the water cycle.