

Raincloud in a Jar!

YOU'LL NEED: JAR OR GLASS, SHAVING CREAM, WATER, FOOD COLORING, WATER DROPPER (OPTIONAL)



FILL a clear jar, glass, or cup about $\frac{3}{4}$ full with water. In a separate cup, mix a few drops of food coloring into a few Tablespoons of water (it doesn't have to be precise.)

What do you think will happen when you add shaving cream? **SQUIRT** a thin layer of shaving cream on top of the water (1-2 inches).

Your cream layer represents **CLOUDS**, and now we'll add some rain! Use a dropper to add some of your colored water to the top of your cloud, and see what happens! If you don't have a pipette, you can use a measuring cup or spoon, and carefully drip the rain slowly over the top. What do you notice?

CLOUDS form when water vapor rises from the ground and sticks to tiny dust particles in the air. These particles and droplets are drawn together, and over time, form a cloud. Inside the cloud, the water vapor cools down and condenses into liquid- **RAIN!**

