

RAIN CLOUD IN A JAR!

INTRODUCTION

This experiment shows how clouds hold invisible water vapors that turn into rain! When the warm and cool air *condenses*, the water vapors form into droplets called rain, which then falls to the ground as *precipitation*.

The shaving cream puffs represent the clouds and how they can hold the water vapors only for so long, until the cloud becomes heavy and “drops” the water (rain).



DIRECTIONS

Start by filling your vase, jar, or glass about 3/4 full of water. Next, fill the top with white foamy shaving cream to make large puffy clouds! In a separate cup, mix water and food coloring. Using a dropper, start adding the colored water to the shaving cream clouds. Finally, observe the cloud holding the colored water until it becomes too heavy and *saturated* (thoroughly soaked) and the colored water begins to *precipitate* down!

MATERIALS

Clear Vase or Jar Water Food Coloring Foamy Shaving Cream Dropper