

Storm in



a Glass

What you need:

Shaving cream - A large glass – H₂O - Food coloring - A spoon

Directions:

- Fill the glass 1/2 full with H₂O
- Spray some shaving cream on top of the water to fill the glass to 3/4 full.
- Use your finger or a spoon to spread the shaving cream evenly over the top of the H₂O. The top of the shaving cream should be flat.
- Mix 1/2-cup H₂O with 10 drops of food coloring in a separate container. Gently add the colored H₂O, spoonful by spoonful, to the top of the shaving cream. When it gets too heavy, **WATCH IT STORM!**

How does it work?

Clouds in the sky hold onto H₂O. They can hold millions of gallons! The layer of shaving cream is our pretend cloud in this experiment. The shaving cream layer can also hold onto H₂O. Clouds can't keep storing more and more H₂O forever, eventually they get too heavy. When that happens, the H₂O falls out (precipitates) as

Rain Snow



Sleet or Hail

Try **MORE H₂O** and **LESS** shaving cream, or **LESS H₂O** and **MORE** shaving cream.

Which one looks more like a drizzle, and which one looks like a downpour?
