



Presented by

BASF
We create chemistry

CLOUDS MAKE RAIN

Overview and Objective

Clouds are a collection of very tiny water droplets, or ice crystals, that float in the air together. They're able to float because they're so small and light. Rain forms when they all start combining together and grow too big and heavy to stay up in the air.

In this experiment we create our own shaving cream "cloud" and use food coloring as "rain". See how many drops it takes before your clouds start to rain!

WHAT YOU WILL NEED:

- Clear jar or large cup
- Shaving cream
- Food coloring (blue preferable)

Process:

1. Fill your jar with water, making sure to leave an inch or two of space at the top.
2. Cover the top of the water with a shaving cream "cloud".
3. Drop food coloring into the cloud until it starts "raining" into the water below.



Facts about clouds!

- Clouds can contain millions of tons of water!
- Clouds can contain other chemicals besides water.
- There are other planets in our Solar System with clouds.
- When water leaves a cloud it is called "precipitation". Precipitation can take many forms, such as rain, snow, sleet, or hail.

Share your results - we want to see your clouds!

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