

MAKE IT RAIN



WHAT ARE CLOUDS?

Clouds are a collection of tiny water droplets or ice crystals that float in the air together. They are able to float because they are so small and light.

Clouds usually appear white because the water droplets inside them are tightly packed, reflecting the light that hits them. As the cloud gets thicker, less light can pass through to the base of the cloud and it appears darker. Clouds that appear to be dark can indicate an impending rain or snow shower.

WHAT YOU'LL NEED:

- Blue food coloring
- Clear jar
- Foam shaving cream
- Water

WHAT'S HAPPENING?

When water droplets and ice crystals continue to collect in a cloud, they get heavier and heavier. They will eventually become too heavy to float on the air. Water droplets will fall to the earth as rain.

WHAT TO DO:

1. Fill the clear jar with water, almost to the top.
2. Cover the water with a “cloud” of shaving cream.
3. Drop the blue food coloring into the cloud until the color starts “raining” into the water below. Explain that this is how rain works too. The water collects in the cloud until there is too much, and then it leaks through, forming rain.