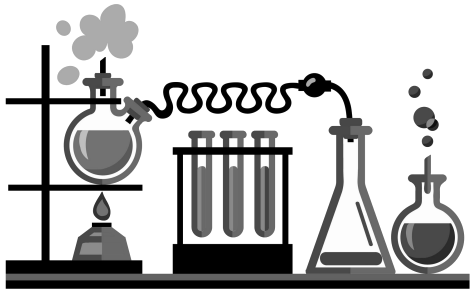
# RAIN IN A JAR EXPERIMENT



THIS EXPERIMENT IS ABOUT APPLICATION AND OSERVATION, USING ITEMS YOU PROBABLY ALREADY HAVE AT HOME IT WILL DEMONSTRATE HOW THE CLOUDS FILL UP WITH TINY DROPLETS. THE DROPLETS JOIN TOGETHER TO FORM DROPS. WHEN THE DROPS BECOME TOO HEAVY, THEY FALL TO THE GROUND AS RAIN.IN YOUR SCIENCE JOURNAL, PREDICT WHAT WILL HAPPEN AS YOU BEGIN DROPPING THE BLUE FOOD COLORING ONTO THE CLOUD.

## SUPPLIES:

TRAY
GLASS JAR
BLUE FOOD COLORING
- PIPETTE OR DROPPER

FOAMING SHAVING CREAM

## DIRECTIONS:

FILL 3/4 JAR WITH WATER, LEAVING SPACE AT THE TOP FOR THE SHAVING CREAM. (PLACE A TRAY UNDER JAR IN CASE OF SPILLS)

FILL REST OF JAR WITH SHAVING CREAM. AT THIS POINT, THE SHAVING CREAM IS LIKE A CLOUD IN THE SKY AND THE WATER IS LIKE THE AIR FILLING THE SKY.

BEGIN DROPPING BLUE FOOD COLORING ONTO THE CLOUDS.

IF YOU TAKE A CLOSER LOOK, YOU CAN SEE HOW THE WATER (FOOD COLORING) DROPS SATURATE THE CLOUD….

THEY ARE JUST TOO HEAVY AND…

DOWN COMES THE RAIN!