

Name: _____ Date: _____

Rain in a Jar

Draw and label the parts of the experiments

Word Bank: Blue Dye Water Shaving Cream



How many drops of blue dye did it take
for the rain to fall? _____

What happens when we changed the
water to warm water? _____

Rain in a Jar Activity Sheet for Teachers:

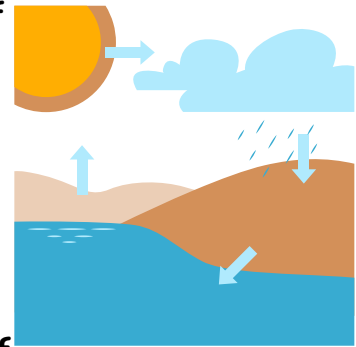
Georgia Standard: S1E1 Obtain, evaluate, and communicate weather data to identify weather patterns.

Supplies:

- Clear Glass Jar
- Shaving Cream
- Food Coloring (Blue)
- Lukewarm Water and Warm Water
- Activity paper for students.

Introduction:

- Ask the students where rain comes from? How do clouds make rain?
- Show the water cycle diagram to the students.
- Mention that clouds get heavy when full of water.



Activity:

- Fill up glass jar with lukewarm water $\frac{3}{4}$ of the way.
- Add a layer of shaving cream on top.
- Help students by counting out each drop of blue food dye.
- Students will observe how the shaving cream gets heavy and starts to drop raindrops.
- Then start again but this time with the warm water. (Pointing out how the rain falls through faster with warm water)

Closure Questions:

- What did you notice about the clouds getting heavier when adding food dye?
- Did the food dye stay on top of the clouds or move through the clouds?