

# WATER DROPS



### Materials

- Curiosity Center sign: **Water Drops** ([pbskids.org/curiousgeorge/parents/teachers](http://pbskids.org/curiousgeorge/parents/teachers) Click on *Activities & More*, then *Curiosity Center Activities*.)
- plastic eyedroppers (inexpensive, child-friendly sets can be ordered online or purchased at local school supply stores)
- small containers of water
- food coloring, for tinting the water
- plastic trays or baking sheets with rims—1 for each child
- wax paper, to place on the trays
- drinking straws (cut in half)
- container for pouring off excess water
- paper towels for clean up
- Optional: *Curious George* magnifying lenses

### Handout

*Family Science Activities: Water, Mud, and Rocks* ([pbskids.org/curiousgeorge/parentsteachers](http://pbskids.org/curiousgeorge/parentsteachers) Click on *Activities & More*, then *Curiosity Center Activities*.)





### Background Photos

pictures of dewdrops, raindrops, etc.

### Science Concepts

- Water drops may stick to each other and to other objects.
- The natural shape of a water drop is round, but the shape may change depending on the size of the drop or on the forces acting on the drop.

### Explorations

-  Look at the photos of raindrops and dewdrops. What do the kids notice?
-  Give each child a piece of wax paper on a tray or baking sheet.
-  Demonstrate how to fill an eyedropper then release the water, drop by drop. Let kids experiment. What happens when they hold the eyedropper high above the tray and squirt water on the wax paper? (Kids can use the magnifying lenses to look at the shapes of the water drops.)
-  Have the kids use the straw and eyedropper to move the water drops around. They can try tilting the tray as well. Ask questions to keep the explorations going:
  - *When you use the eyedropper to move a water drop around the wax paper, how does the shape of the water drop change?*
  - *What happens when you make one drop touch another drop?*
  - *Try blowing through a straw at a water drop or water puddle. What happens?*
  - *How many different ways can you make a big drop break into smaller drops?*

### Tips for Success

**Background photos help children make connections between the activity they are doing in the Curiosity Center and phenomena in the natural world.**

