

## Dry Erase

<https://www.sciencefun.org/kidszone/experiments/dry-erase/>

### Materials:

A glass plate, bowl, or picture frame

Dry erase marker

Water

### Instructions:

Draw a simple picture on the glass. A stick figure is a good one to start with

Pour water onto the plate or into the bowl slowly to lift up the drawing

Swirl the water around to make the picture dance and move!



## Bag Magic Science Experiment

What do you think will happen if you puncture a bag full of water with a sharp object?

Record your prediction! Write this down in your book ready to share your discovery.

You may think all the water will come squirting out! In this fun and easy science experiment, we're going to show you how to puncture a baggie full of water with sharpened pencils and keep it from leaking. Being able to push sharp objects through a baggie full of water and not have it leak may seem like magic but we will show you it's just science.

### Materials:

Plastic zip glad bag.

Water

Pencil sharpener

Several pencils

Optional – food coloring and biodegradable glitter

### Instructions:

Use the pencil sharpener and carefully make each pencil as sharp as possible.

Fill the zip close plastic bag about three quarters of the way full with water.

Optional – Add a little food coloring and glitter for fun.

Push any air out of the bag.

Seal the bag securely.

Hold the bag firmly out in front of yourself.

Use your other hand to push a pencil through the bag so it pokes out the other side.

Continue stabbing the pencils through the bag, being sure to leave the pencils in the bag.

### **How it Works:**

Plastic zip close storage baggies are very flexible. The baggies are made of a polymer called low density polyethylene. The sharpened pencils are able to squeeze through the chains of polymer without breaking them and the baggie is actually so flexible it is able to seal around the pencils preventing water from escaping.

<https://www.sciencefun.org/kidszone/experiments/amazing-leakproof-baggie-magic-science-experiment/>

For more experiments: <https://www.sciencefun.org/kidszone/experiments/>