



Make artwork disappear before your eyes with just a glass of water, a sealable bag, and your creativity! Let's learn how to do this fascinating experiment!

## Materials Needed

White paper  
Marker pens  
Pencil  
Scissors  
Sealable plastic bag  
Ruler



## Step-by-step tutorial

### Step 1

Use the ruler to measure the size of the sealable bag.



### Step 2

Cut a piece of white paper to match the size of the bag.



### Step 3

Using marker pens, draw a Christmas tree or your favourite character on the cut paper.



### Step 4

Place the drawing inside the sealable bag and seal it completely.



### Step 5

Use a marker pen to trace the outline of your drawing on the outside of the bag.



### Step 6

Lower the bag vertically into water and watch carefully as the colours disappear.



## The Science Behind It:

In air, light travels without refraction, allowing you to see both the details on the paper and the bag. However, when your drawing goes underwater, everything changes! Underwater, light must travel through water first, then through the plastic bag, before reaching your eyes. Due to the refraction of both water and the plastic bag, light changes its path. Since your eyes are almost directly above the drawing, you can't see it anymore. The details on the outside of the bag remain visible because water refracts light less, allowing these marks to still reach your eyes.