DIYs » Stem Activities » Chemistry » Age 3 - 5 » Vanishing Colours \*\*\*\* **Vanishing Colours** Stem Activities

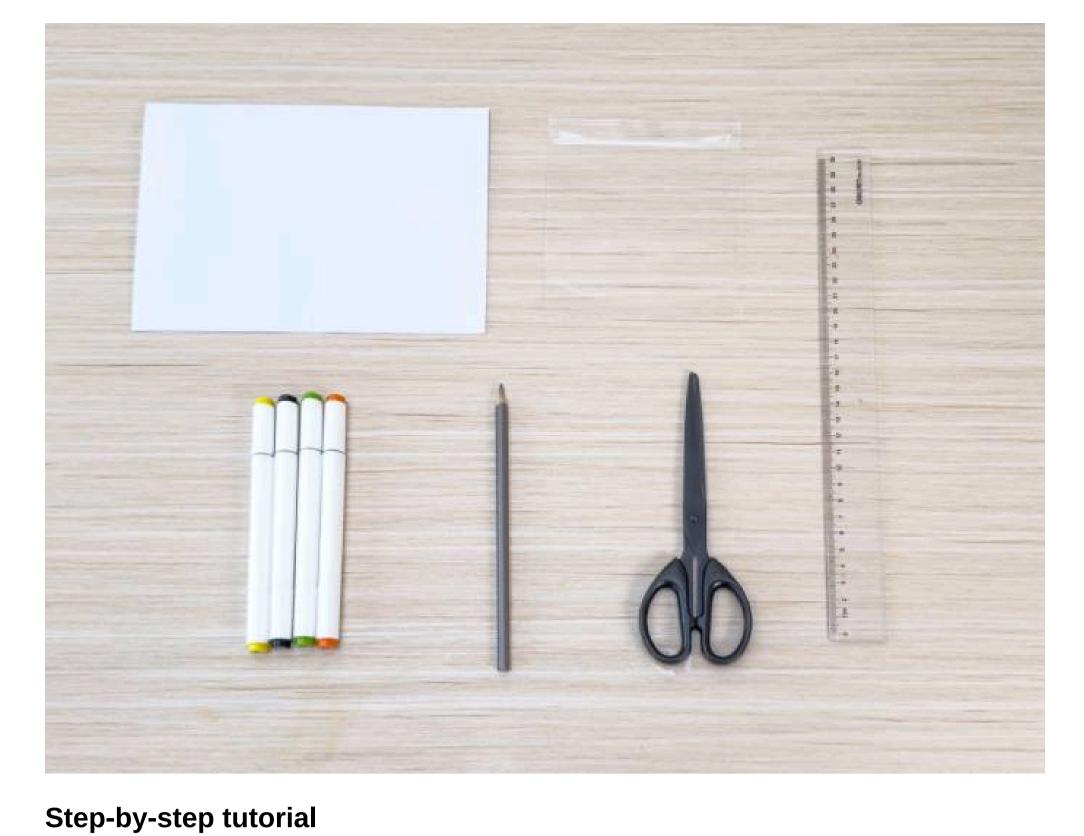






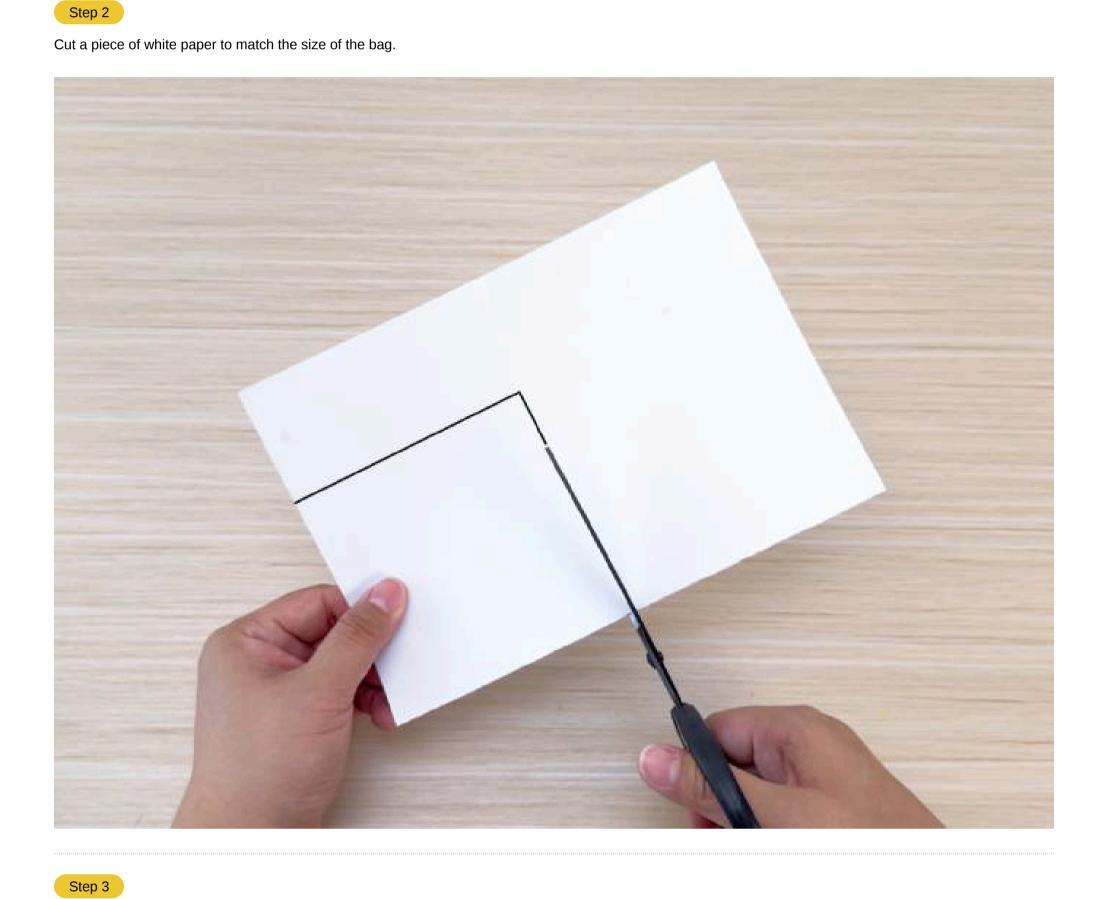
Make artwork disappear before your eyes with just a glass of water, a sealable bag, and your creativity! Let's learn how to do this fascinating experiment!

**Materials Needed** White paper Marker pens Pencil Scissors Sealable plastic bag Ruler

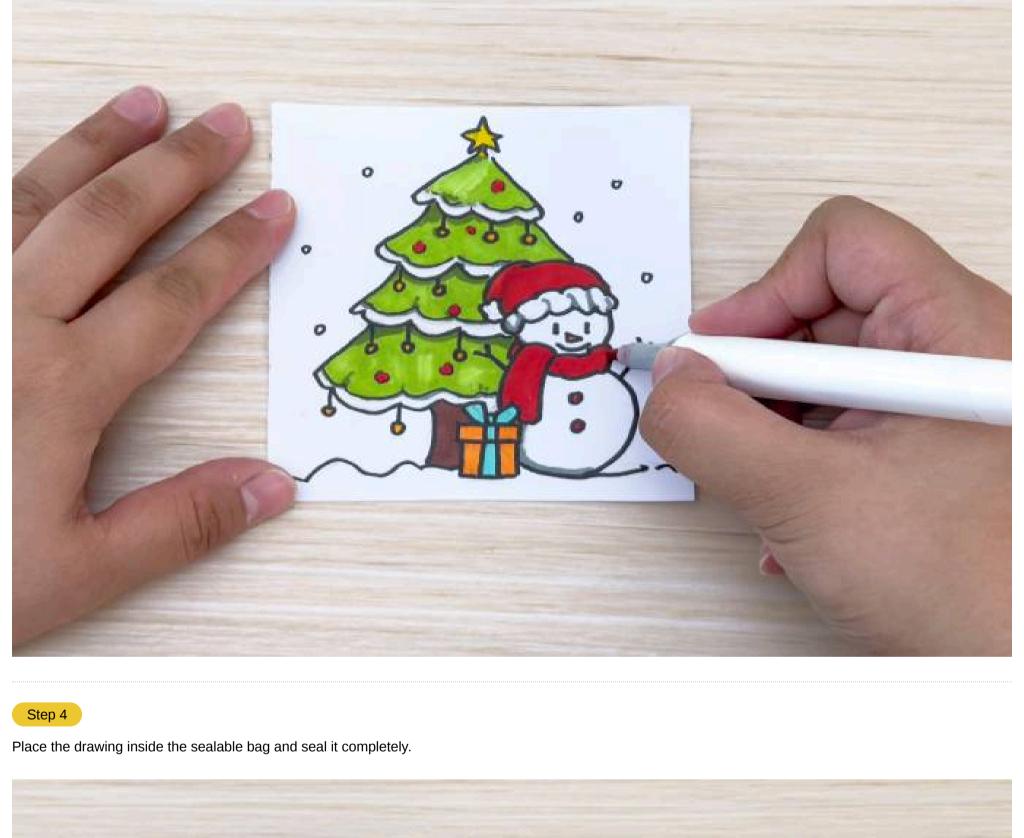


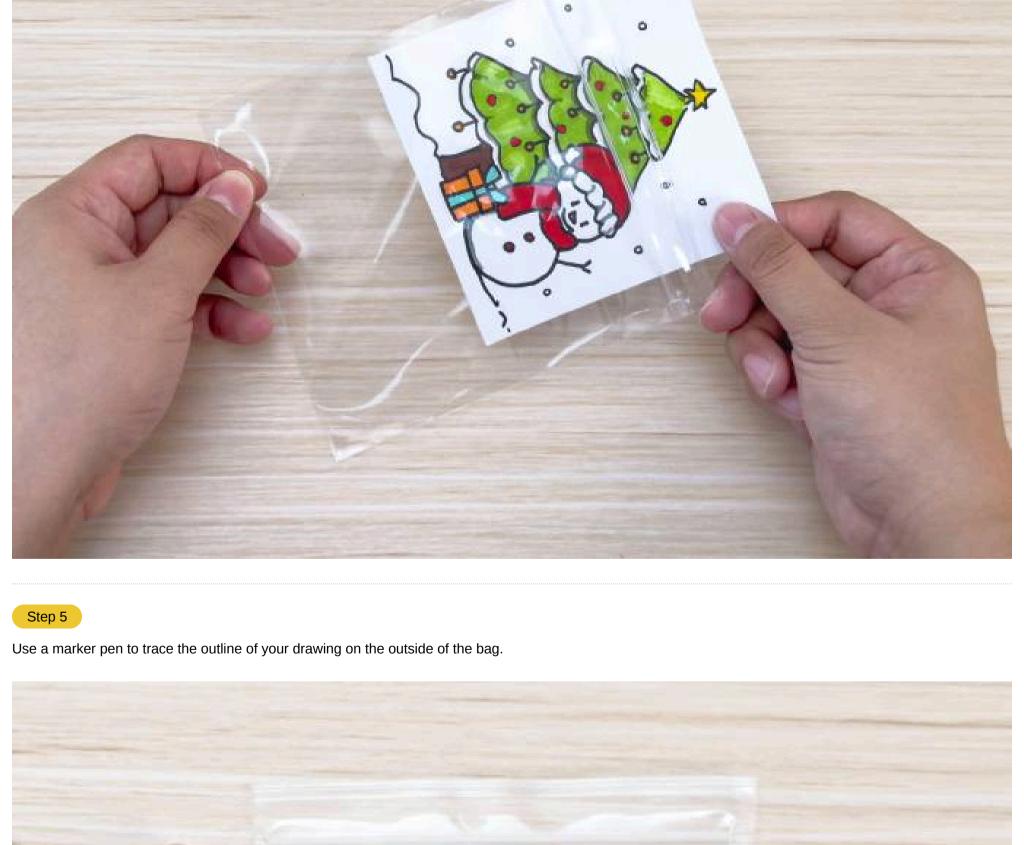
Step 1





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









**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.