

## PAPER SNOWFLAKES

Snowflakes, or snow crystals, form when an extremely cold water droplet freezes onto a pollen or dust particle in the sky. All snowflakes have 6-fold symmetry, meaning all snowflakes have the appearance of 6 “arms” or “points” yet no two snowflakes are identical!



## MATERIALS YOU’LL NEED:

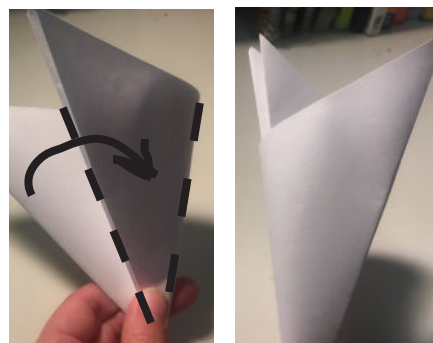
- Paper
- Scissors



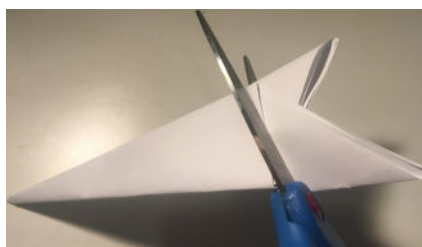
**STEP 1:** Turn your paper into a perfect square by folding the bottom corner up to the opposite top edge of the paper. This should make a right triangle. Cut the excess paper away. If you open your paper, it should be a square.



**STEP 2:** Fold the square paper back to a triangle, then fold a second time to make it a smaller triangle.



**STEP 3:** This is the hardest step! Fold the triangle into thirds by folding both ends inward, evenly. You should be left with a shape that looks like an arrow.



**STEP 4:** Flip to the side where you see a fold that goes straight across, cut along that line.



**STEP 5:** Hold the tip as you cut away shapes to create your snowflake pattern. If you want to create 6 distinct points, make sure to narrow down the top part of the triangle. The more cuts you make, the more interesting and detailed your snowflake will look.



**STEP 6:** Carefully open up when you are done cutting.