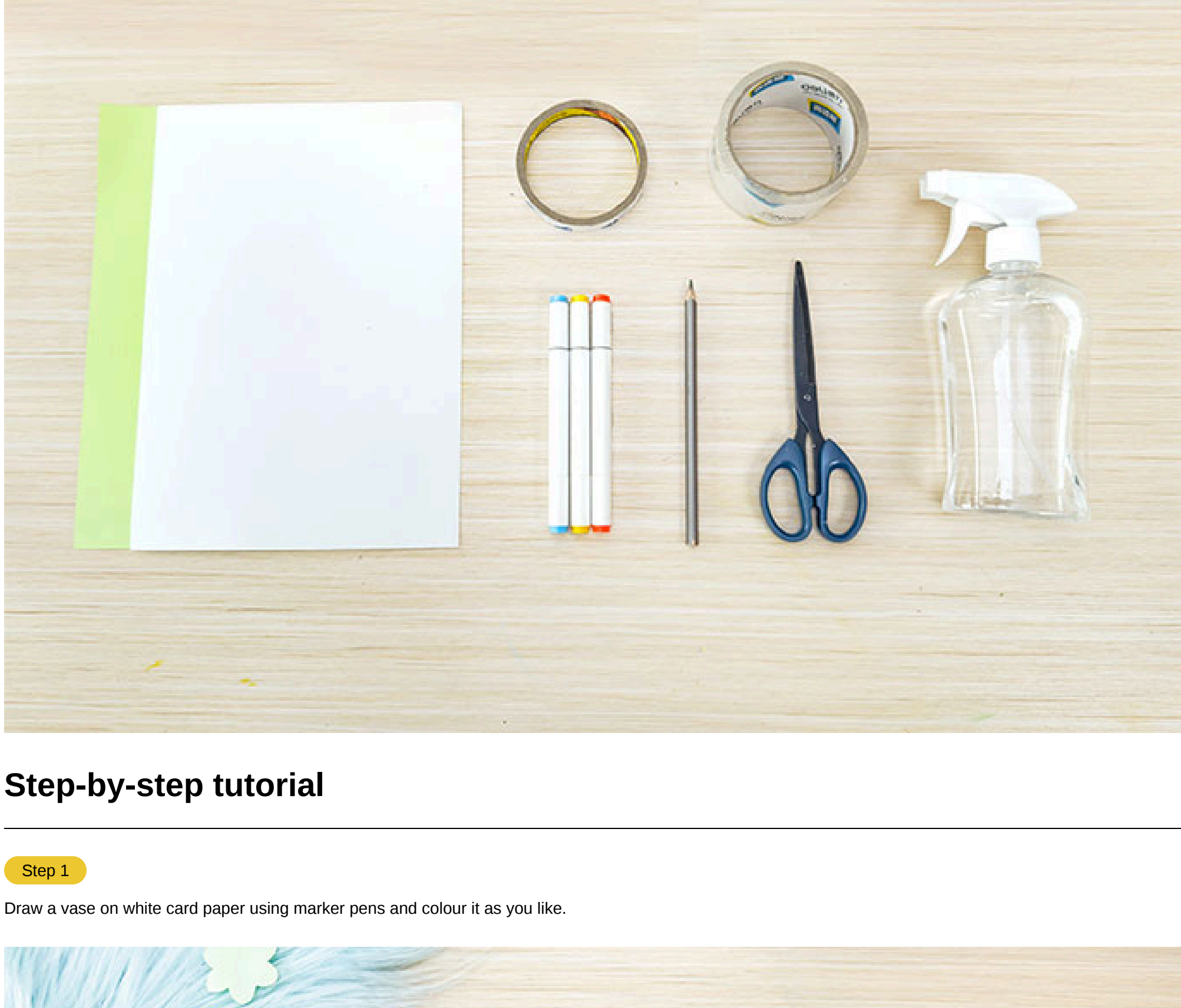


Create magical greeting cards with flowers that 'bloom' before your eyes. Your carefully crafted card will slowly blossom in front of friends and family, delivering your message of love through an enchanting scientific phenomenon.

Materials Needed

Card paper
Coloured origami paper
Double-sided tape
Clear tape
Marker pens
Pencil
Scissors
Spray bottle



Step-by-step tutorial

Step 1

Draw a vase on white card paper using marker pens and colour it as you like.



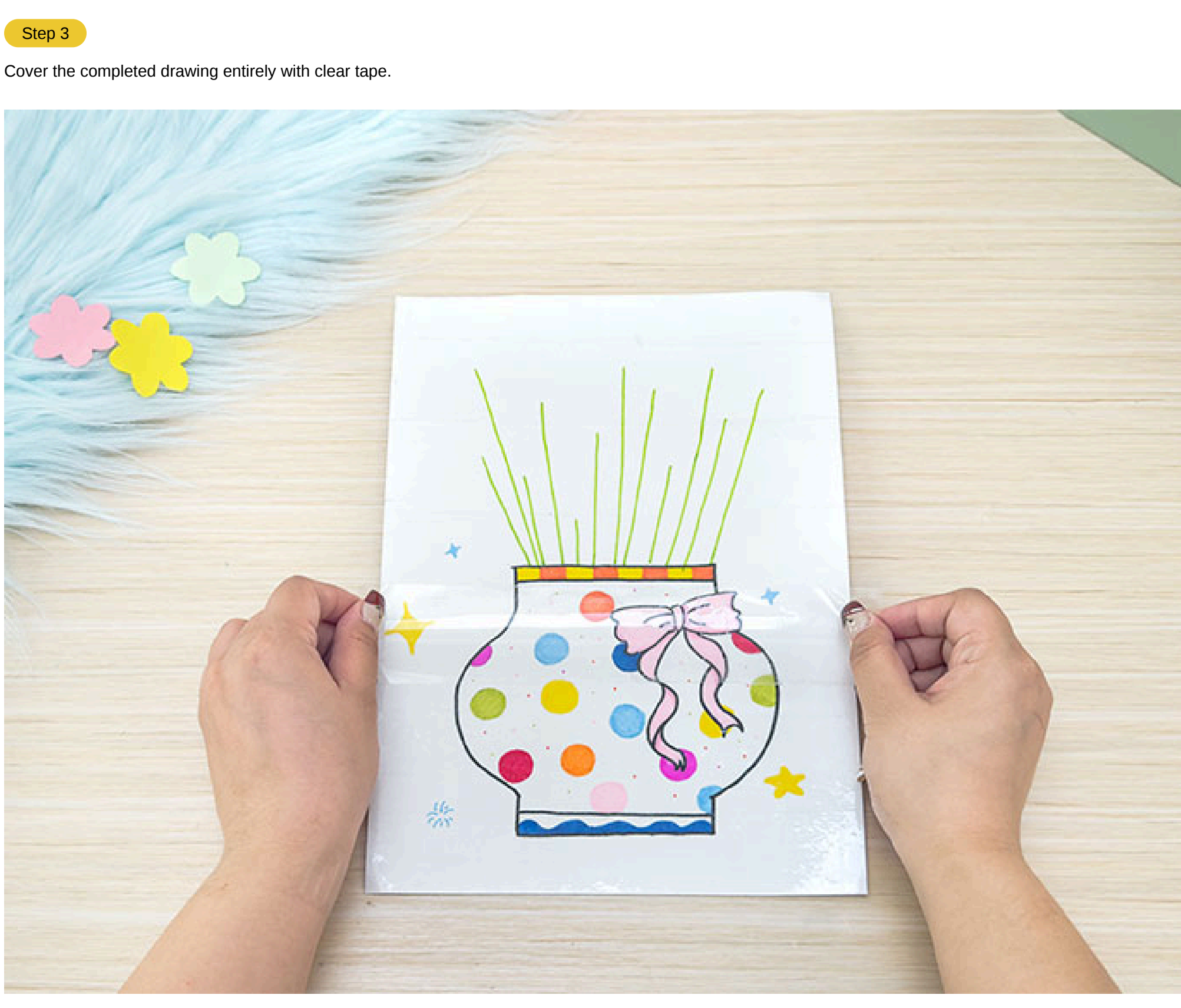
Step 2

Above the vase, draw some flower stems using green marker pens.



Step 3

Cover the completed drawing entirely with clear tape.



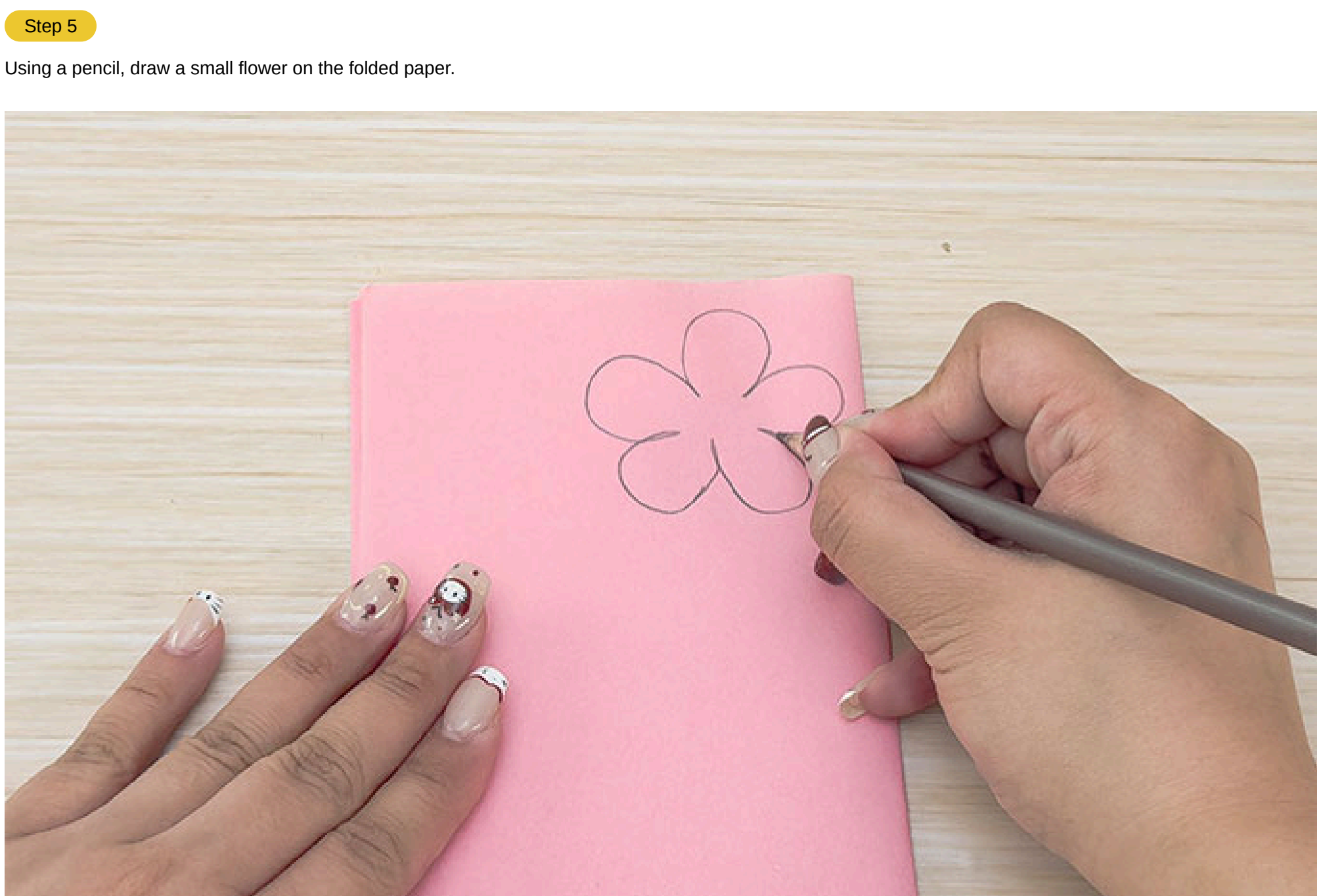
Step 4

Take the coloured origami paper and fold it in half twice.



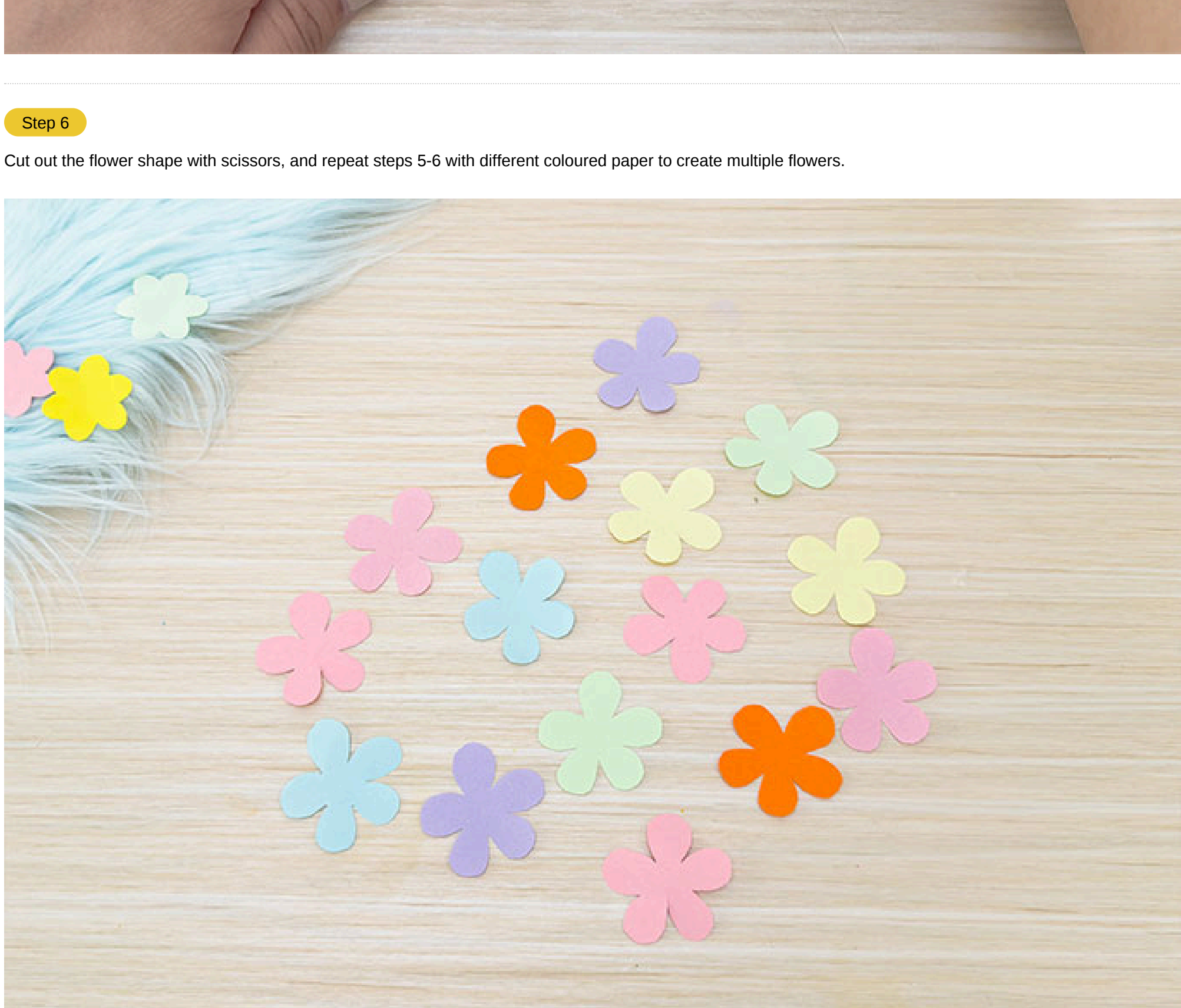
Step 5

Using a pencil, draw a small flower on the folded paper.



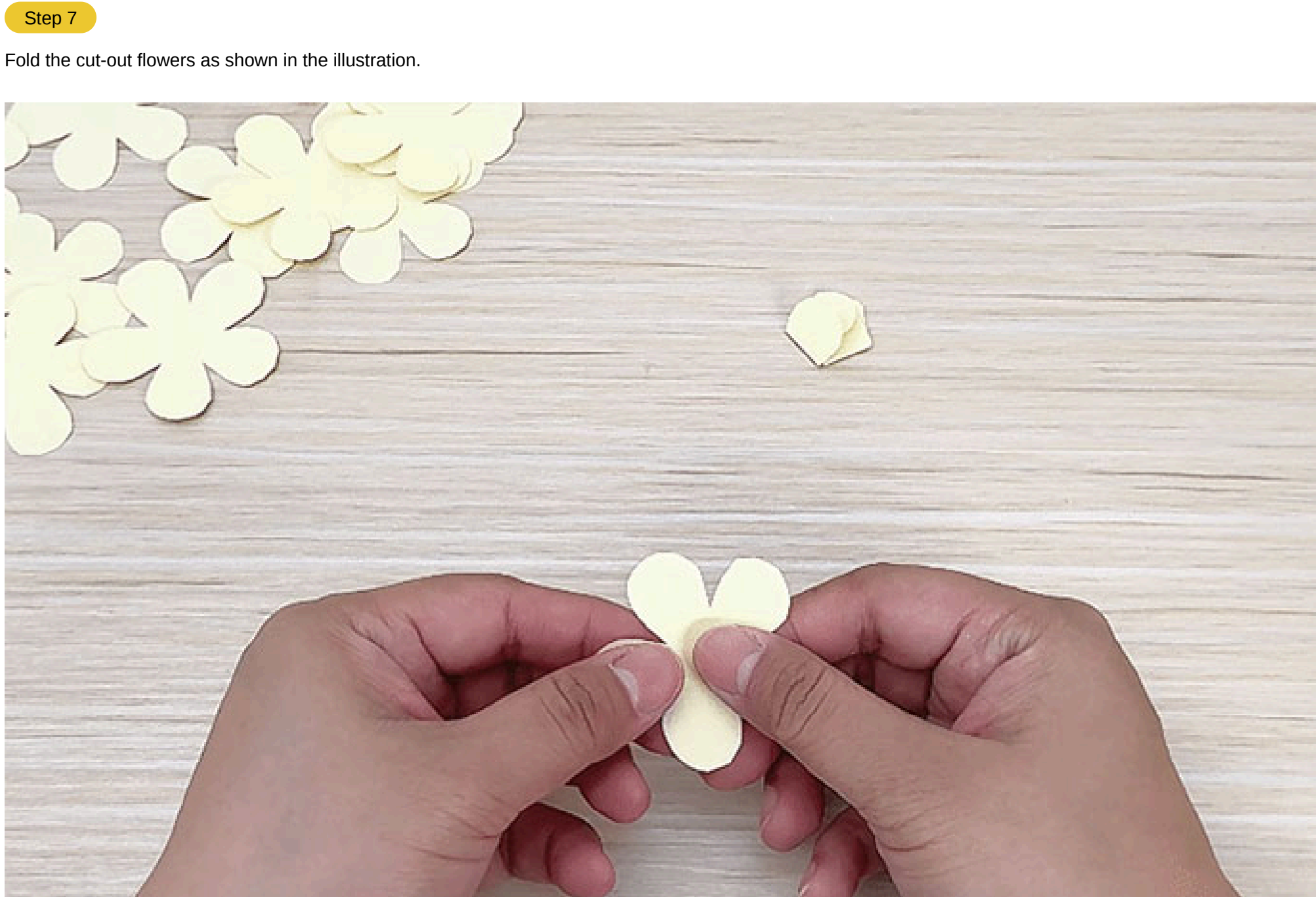
Step 6

Cut out the flower shape with scissors, and repeat steps 5-6 with different coloured paper to create multiple flowers.



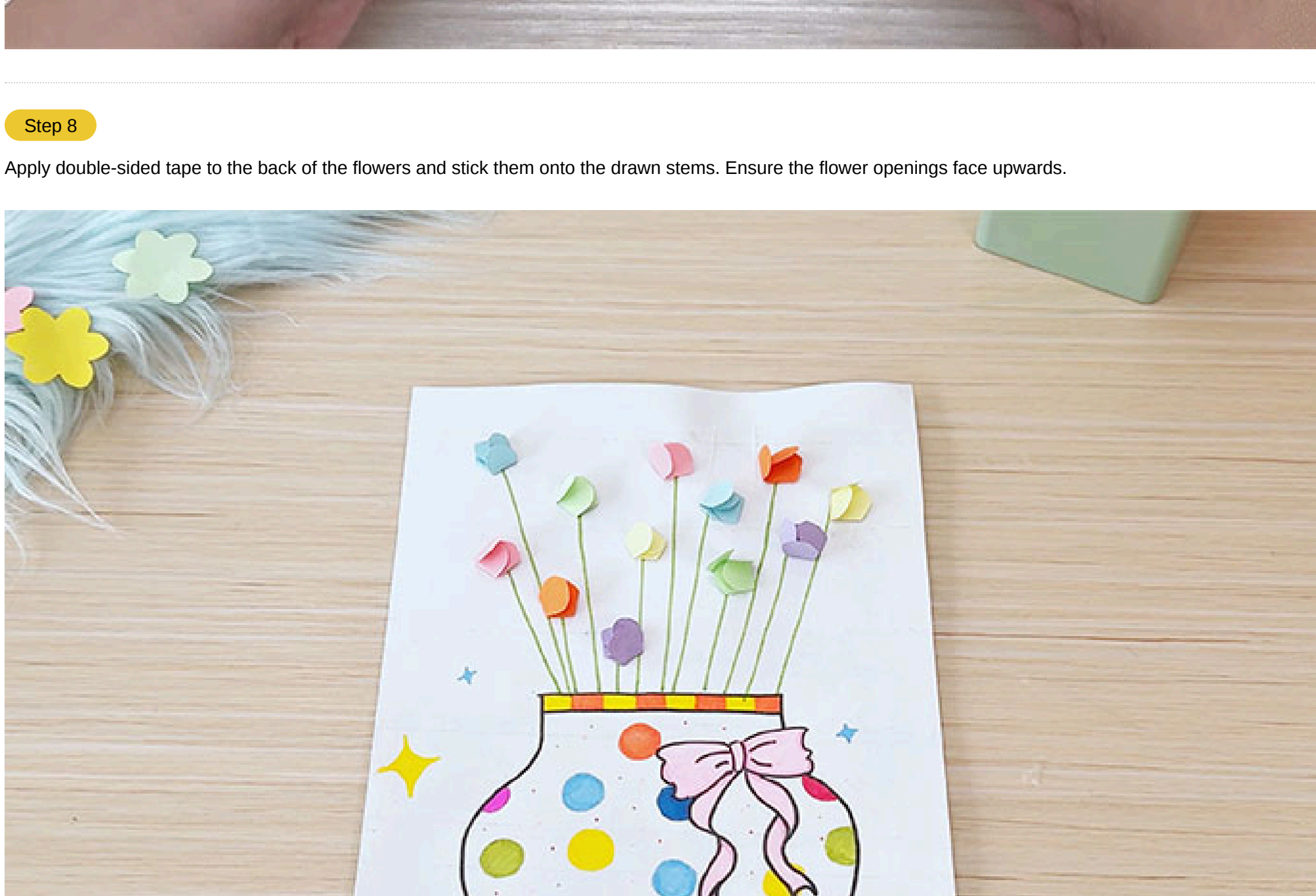
Step 7

Fold the cut-out flowers as shown in the illustration.



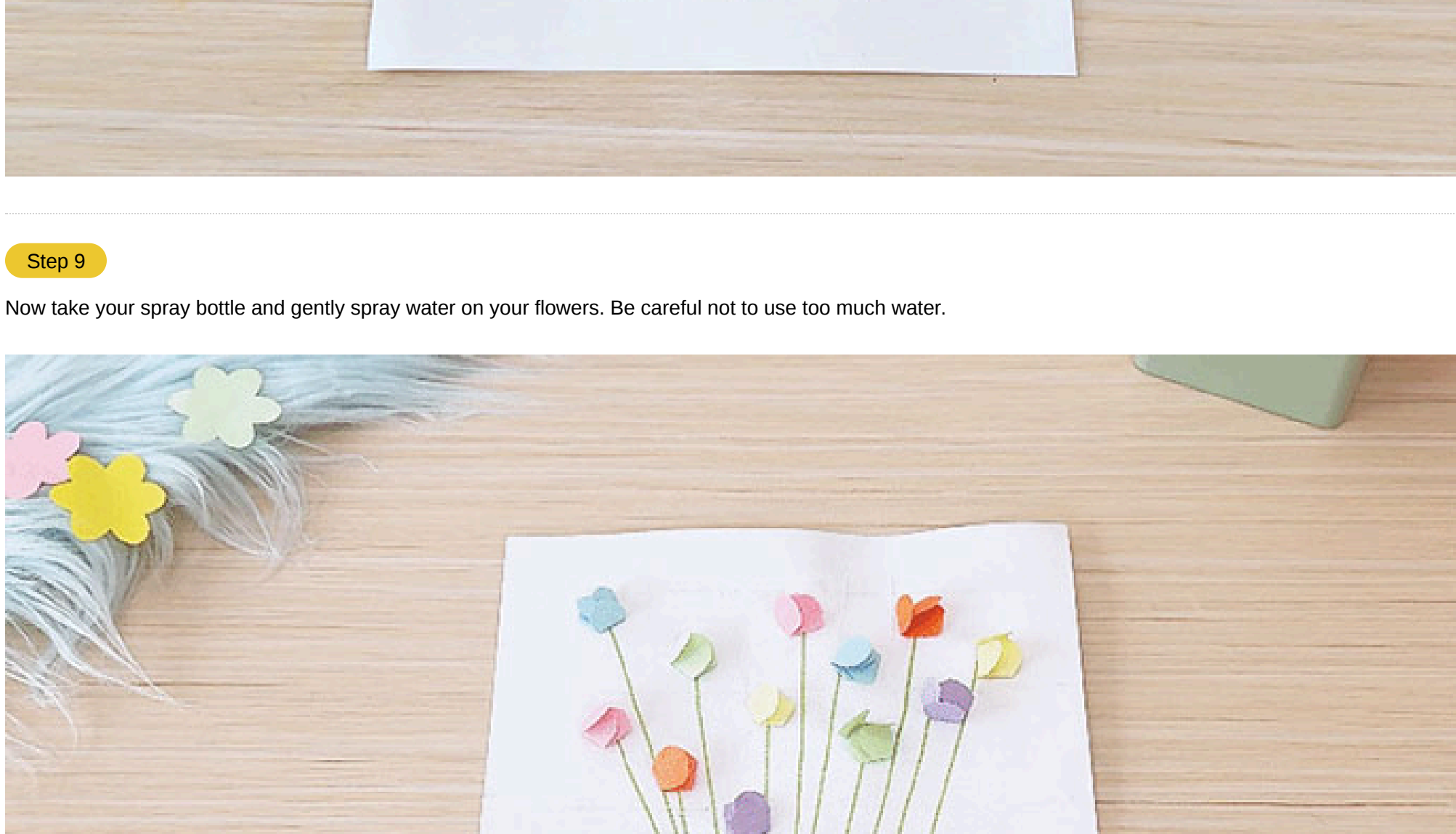
Step 8

Apply double-sided tape to the back of the flowers and stick them onto the drawn stems. Ensure the flower openings face upwards.



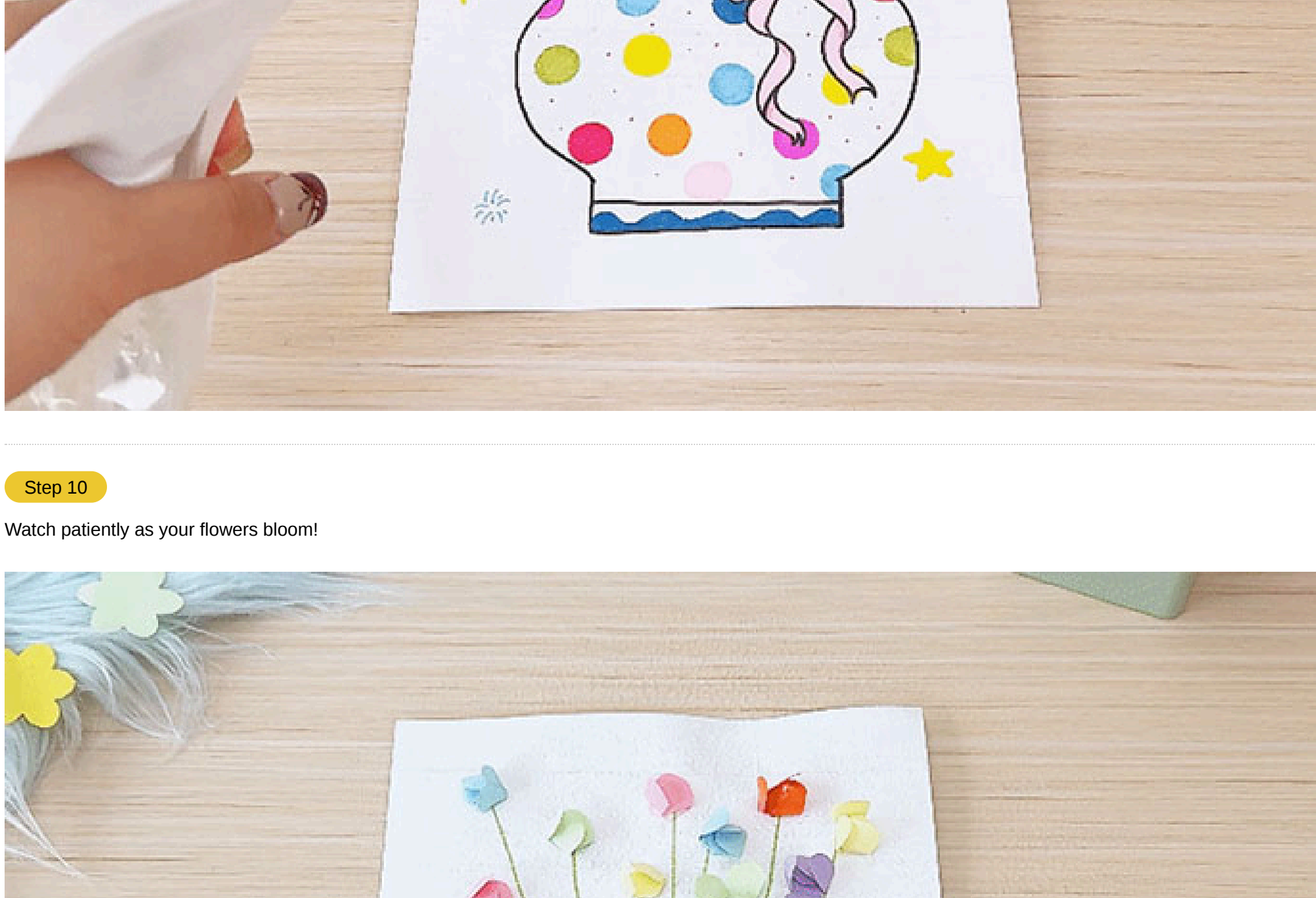
Step 9

Now take your spray bottle and gently spray water on your flowers. Be careful not to use too much water.



Step 10

Watch patiently as your flowers bloom!



The Science Behind It:

The 'blooming' effect occurs due to capillary action and paper's absorption properties. Paper is made of fibres that readily absorb water. When water contacts the paper, it travels up the tiny channels between fibres, causing them to expand. The folded petals absorb water and unfold, creating the 'blooming' effect.