DIYs » Stem Activities » Chemistry » Age 3 - 5 » Spinning Snake **** **Spinning Snake** Stem Activities Ages: 3-5 Less than 30 minutes Grownup needed

Spark children's scientific curiosity with a spinning snake! This 'magical' experiment helps children explore the fascinating science of surface tension.

Materials Needed

Origami paper Washing-up liquid Marker pen Pencil Scissors Water



Step-by-step tutorial

Step 1



Step 2

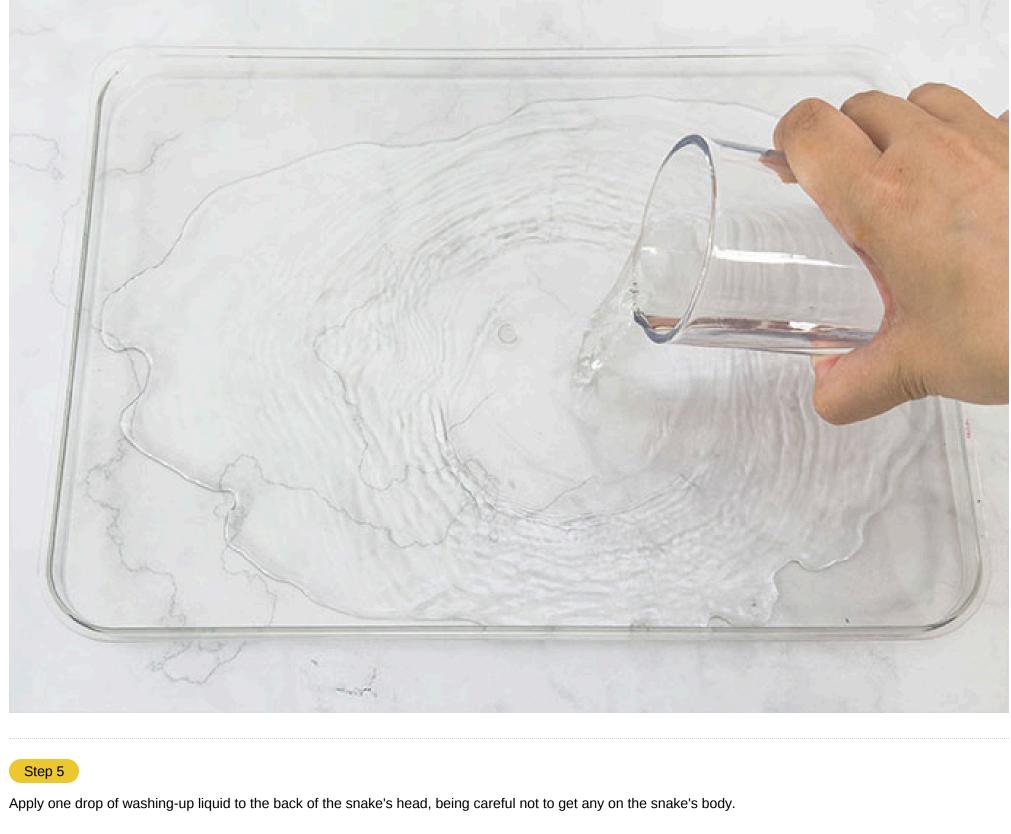


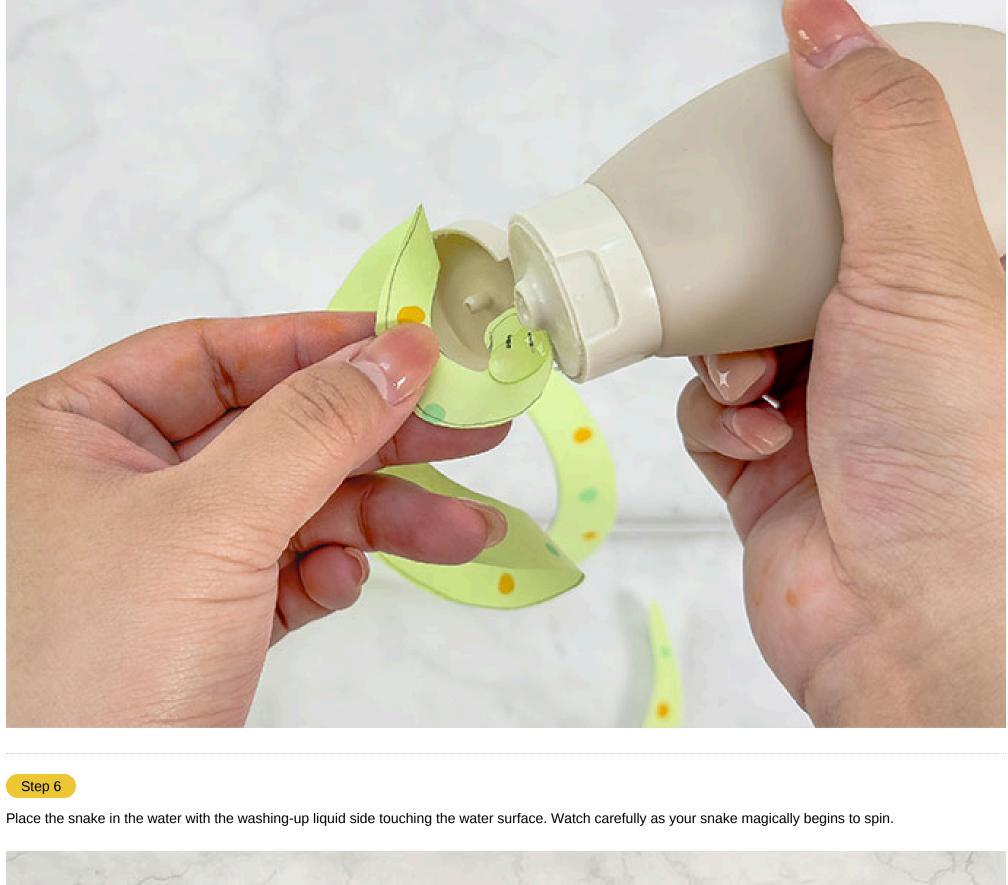
Step 3

Use the marker pen to draw eyes and patterns on the snake.



Pour a cup of water into the plate.





The Science Behind It:



The secret of the spinning snake lies in 'surface tension differences'. Water's surface tension keeps water molecules tightly bound together, like an 'invisible film'. When washing-up liquid enters the water, it breaks the surface tension, creating a force that moves from high to low tension. The coiled snake, experiencing uneven forces, rapidly spins on the water's surface.