



Pipe Cleaner Snake Party

Stem Activities



Ages: 3-5



Less than 30 minutes



Grownup needed



Get ready for a dance party with colourful pipe cleaner snakes! Twist pipe cleaners into different shapes, place them on a speaker, and watch your little snakes perform their unique "dance" when the music starts!

Materials Needed

Pipe cleaners
Water basin (or any container with sufficient depth)
Plastic bag
Bluetooth speaker



Step-by-step tutorial

Step 1

Bend the pipe cleaners into snake shapes as shown. You can make several snakes using different colours.



Step 2

Take out the water basin and place the powered-on Bluetooth speaker inside it.



Step 3

Next, place the plastic bag over the water basin.



Step 4

Place your pipe cleaner snakes on top of the plastic bag.



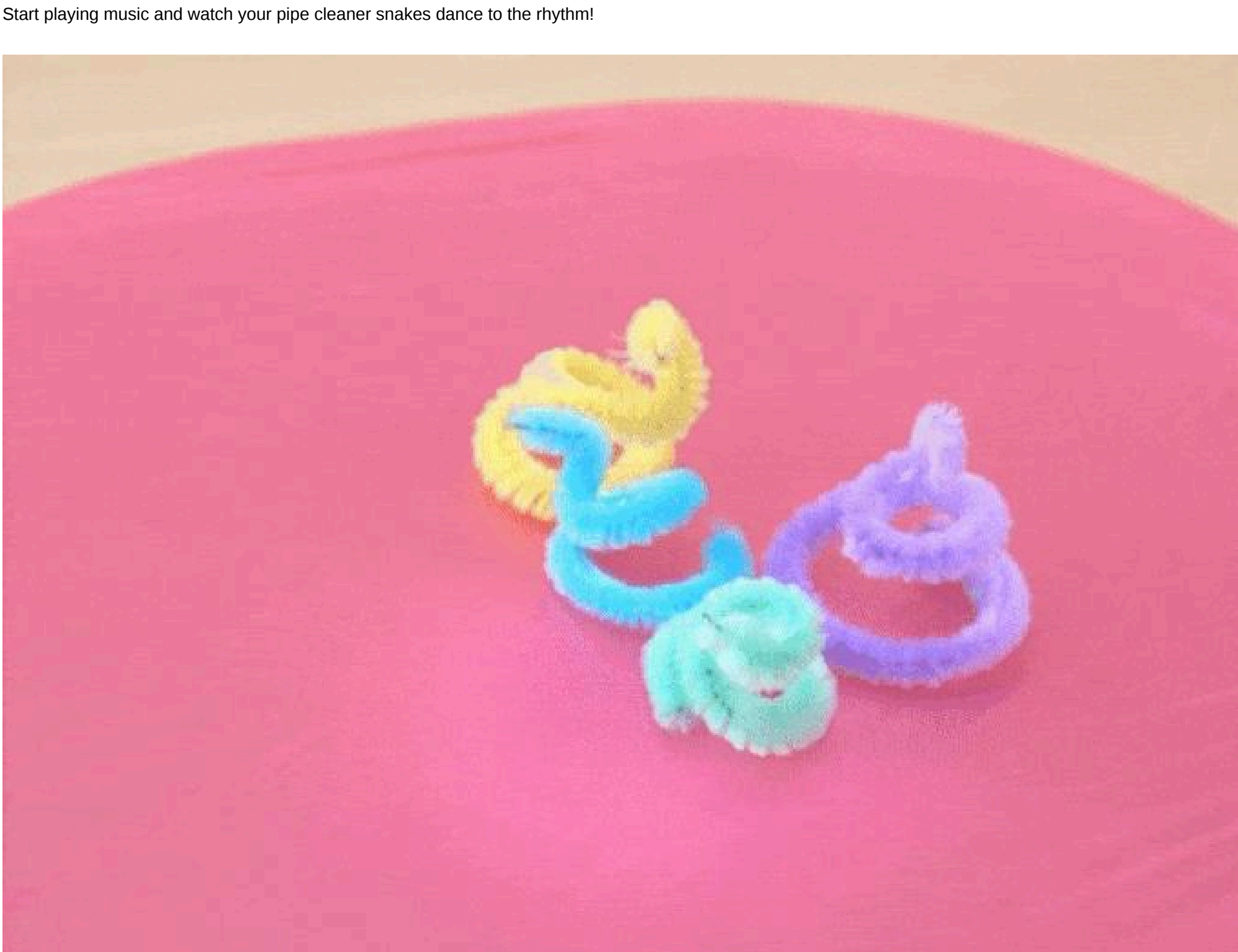
Step 5

Pull the plastic bag taut around the basin.



Step 6

Start playing music and watch your pipe cleaner snakes dance to the rhythm!



The Science Behind It:

Why do they wiggle and sway?

When the speaker plays music or produces sound, it creates vibrations in the surrounding air, causing the plastic bag to shake. These vibrations are transferred to the snakes, making them sway! This is a fun way to demonstrate how sound and vibration work together. Sound waves travel through the air, and the vibrations make your snakes appear as if they're really dancing!