

Imagine creating a magical dance party for a group of styrofoam balls! To do this trick, you will need some styrofoam balls, aluminum foil, plexi-glass, cloth, and an area to keep the balls from escaping. The aim is to make the balls move and jump as if they have a mind of their own!

First, let's create the stage for our dancing balls. Place a plexi-glass plate over the balls. Make sure the plate is charged by rubbing it with cloth or your hands. As soon as the charged plate is placed over the balls, something amazing happens - they all jump up and stick to the bottom of the glass. It's like they are drawn to the glass by an invisible force!

As the balls settle on the glass, they might start moving around randomly, almost like they are dancing in excitement. But the real magic kicks in when you interact with them. Bring your finger close to the glass, and suddenly, the balls start jumping around in response. It's as if they are playing a game of catch with your finger!

For an extra twist, try using the balls with styrofoam plates or cups. Place a ball on a charged plate, and watch as it either shoots off the plate or sticks to it, defying gravity. You can even hold the plate sideways or upside down, and the ball will still obediently follow the charged plate's commands!

So, with a little bit of science and a sprinkle of magic, you can create a mesmerizing dance show starring your very own dancing balls. Get ready to be amazed by the enchanting power of static electricity!