

WHAT YOU NEED: 2 cups dishwashing soap – water – rubber band WHAT TO DO: Add the soap to a sink of water and stir well. Get your hands all wet and soapy. Stretch the rubber band over your fingers, turning and twisting it into weird shapes. Dip it into the soapy water and then lift it out.

Dear Alex,

Answering a question all the way from India is a glorious way to end the 2013 season of You Can with Beakman & Jax. Thank you for writing. Free, separate bubbles are round because that's the smallest shape an object can be and still hold the most stuff.

Bubbles are soap films, and soap films shrink to be as small as possible. I'm sure you've seen bubbles in hexagonal shapes in a sink, as in our drawing. And you can make many more strange shapes with today's fabulous experiments. And have a Happy New Year! iax! Jax Place

SO WHAT:

You got some pretty strangelooking soap films. That's because the film shrinks to its smallest possible shape.

Try it with a friend's helping hands. The shapes can get even stranger with 2 people.

WHAT YOU NEED: Wire coat hangers - sink of soapy water from Experiment #1

WHAT TO DO:

Bend the coat hangers into twisted springs and tangled messes of wire. Just make sure that the wires do not touch each other where the wires twist into shapes.

Take the time to pull touching places apart. MORE STUFF:

Hold the hook and dip the whole thing into the sink. Pull it out slowly. The soap film will look like a beautiful twisted slide.

Try other shapes. Just make sure the wires do not touch when they cross.

P.S. from Beakman: Our planet Earth is round for the same reason bubbles are – it's the smallest shape a lot of melted rock can be.

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JOK

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