

BUBBLE ART



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Pop Quiz!

True or False: There's a scientific reason bubbles are round (spherical) _____

If you guessed **TRUE**, you're right! Bubbles are always round because of a force called *surface tension*. This pulls molecules of water into the tightest possible groupings. What's the tightest possible grouping a collection of particles can achieve? Yup! A sphere.

Directions:

1. Place 4 spoonfuls of paint into a cup or bowl.
2. Add 2-3 spoonfuls of dish soap.
3. Add 4-5 spoonfuls of water.
4. Mix everything together.
5. Using the straw, blow bubbles in the cup or bowl. Keep blowing until the bubbles start to spill over the top.
6. Place your paper on top of the bubbles.
7. Repeat with various colors. You can even mix colors and see what happens.



WARNING

Make sure to **BLOW OUT** when using the straw. **DO NOT** suck in or you'll get a mouthful of paint and soap. Yuck!

A note from Page

This is a fun project to do outside on a hot day!

Bubbles are round — spherical — because there is an attractive force called surface tension that pulls molecules of water into the tightest possible groupings. And the tightest possible grouping that any collection of particles can achieve is to pack together into a sphere. Of all possible shapes — cubes, pyramids, irregular chunks — a sphere has the smallest amount of outside area.

Materials:

- Water Based Paint
- Water
- Dish Soap
- Disposable cups or bowls
- Straws
- Paper (watercolor paper works well for this)
- Plastic Spoon

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If you'd like to post your bubble art, let us know with the hashtag #Storyologist!