

# **SWIMMING SPAGHETTI**

Make spaghetti do tricks with this fun and fizzy experiment.

## **What You Need:**

- uncooked spaghetti
- 1 cup of water
- 2 teaspoons of baking soda
- 5 teaspoons of vinegar
- tall clear glass

## **What You Do:**

Put water and baking soda in the glass. Stir until the baking soda is dissolved. Break spaghetti into 1-inch pieces. Put about 6 pieces in the glass. They will sink to the bottom. Add vinegar to the mixture in the glass. Observe what happens to the pieces of spaghetti. Add more vinegar as the action starts to slow down.

## **What's Going On:**

When baking soda and vinegar are mixed together, a chemical reaction occurs. It produces a gas called carbon dioxide, which forms lots of bubbles on top of the mixture and smaller bubbles at the bottom of the glass. These little bubbles stick to the spaghetti and make it float to the surface, just as you do when you sit on a swimming pool noodle! When the spaghetti reaches the surface, the bubbles pop and the spaghetti sinks to the bottom.