

## Swimming Spaghetti

### Materials:

Uncooked spaghetti

1 cup of water

2 teaspoons of baking soda

5 teaspoons of vinegar

Tall clear glass

### Instructions:

1. Put water and baking soda in the glass.
2. Stir until the baking soda is dissolved.
3. Break spaghetti into 1-inch pieces.
4. Put about 6 pieces in the glass. They will sink to the bottom.

### Question/prediction:

What will happen to the spaghetti when we add the vinegar?

5. Add the vinegar to the mixture in the glass.

\*More vinegar can be added as the action starts to slow down.

The science behind this project:

A chemical reaction that produces carbon dioxide occurs when the baking soda and vinegar are mixed together. The bubbles produced stick to the spaghetti and make it float to the surface. When the spaghetti reaches the surface, the bubbles pop, and the spaghetti sinks to the bottom.