



## Dancing Raisins

### Supplies Needed:

- Club Soda or another clear soda (7-Up, Sprite, etc.) (Unopened is best)
- Raisins (fresh works best)

\*Tip: You will want to separate the raisins first. If they are stuck together they won't dance. Small/medium raisins worked better as well.

### Doing the Experiment

1. Fill a glass with soda.
2. Drop raisins into the glass. What happens? Do they sink or float?
3. Then sit and watch what happens. You may need to be patient. It can take a minute or two for them to start moving.

### How this Experiment Works

When you first drop the raisins in the soda they sink to the bottom of the glass because they are denser than the soda. But the carbonated soda releases carbon dioxide bubbles and these bubbles love to attach to the rough surface of the raisins. They act like tiny floatation devices that lift the raisin to the surface of the water. This is due to an increase in buoyancy.

Once the carbon dioxide bubbles reach the surface of the soda they pop and the gas is released into the air. This makes the raisin lose buoyancy and fall back down to the bottom of the glass

### Expand the Experiment

- Try different kinds of soda and see which one works best.
- Try adding different things to the soda. Some popular options are pieces of uncooked pasta, corn kernels, and lentils. I've heard rice works, but white rice didn't work for us. Maybe try brown rice?

**Experiment Borrowed from: [FunLearningForKids.com](http://FunLearningForKids.com)**