

# DANCING RAISINS

## MATERIALS

- CLEAR CUP
- CARBONATED WATER OR CLEAR POP
- RAISINS



## INSTRUCTIONS

1. POUR CARBONATED WATER INTO THE CUP. FILL IT ABOUT 3/4 FULL.
2. DROP A FEW RAISINS INTO THE WATER. LET THEM SINK TO THE BOTTOM.
3. WAIT A LITTLE BIT. ARE THE RAISINS DOING ANYTHING INTERESTING YET?
4. LOOK! THE RAISINS ARE STARTING TO MOVE! THEY'RE DANCING IN THE WATER!

## EXPLANATION

THE RAISINS DANCE BECAUSE OF THE BUBBLES IN THE WATER. CARBONATED WATER HAS TINY BUBBLES OF A GAS CALLED CARBON DIOXIDE IN IT. WHEN THE RAISINS GO INTO THE CARBONATED WATER, THE GAS BUBBLES STICK TO THEM AND CARRY THEM UP TO THE TOP. THEN, THE BUBBLES POP, AND THE RAISINS SINK BACK DOWN. THIS MAKES THE RAISINS LOOK LIKE THEY ARE DANCING UP AND DOWN!

## EXTENSION

NOW THAT YOU'VE SEEN THE RAISINS DANCE, TRY REPEATING THE EXPERIMENT WITH OTHER LIGHT OBJECTS YOU CAN FIND IN YOUR KITCHEN LIKE CORN KERNELS OR DRY RICE. WHICH ONE DO YOU THINK WORK BEST?