





Bubbly Raisins

K - 2nd
Grade

Materials

-  Raisins (or other small fruit)
-  Clear carbonated beverage (soda or water)
-  Tall, clear container
-  Stopwatch/ timepiece

Students will explore concepts of density as they observe the release of carbon dioxide from raisins.

Directions

Fill your glass about $\frac{3}{4}$ full of the carbonated beverage. Drop 2-3 raisins into the liquid, one at a time, and start your stopwatch.

Ready, Set, Go!

How long does it take for one raisin to go all the way down, and then all the way back up again?

Why Does This Happen?

Raisins dropped into the carbonated beverage are wrapped in carbon dioxide bubbles. Since CO_2 is less dense than the soda/water, the raisins float to the surface. Once the gas bubbles are released into the air, the raisins sink back down to the bottom and start all over.

What would happen if you added 5-7 raisins at a time? What would happen if you add 10-15? What if you use salt water instead of soda water?

Click on the graduated cylinder for another cool density experiment!

