



Activity Title	Sink or Float
Education level	Secondary/University
Time	30mins
Group size	15
Location	Does not matter
Materials	<ul style="list-style-type: none">• can of Zero coke• can of coke• large clear tank/container with water
Type of learning activity	Demonstration, fun learning
Core skills	Carrying out investigation, Asking question, Communicating information, Constructing explanation
Goals:	
Engage	<ul style="list-style-type: none">• Before students come, place large clear tank/container with water on the teacher's bench.• Place one can each of "Coke" and "Zero Coke" into the water.• Ask the students to think about what they see happening here.
Explore	There's a very marked visual difference in the volume of the same masses, connected to the coke discussion. Ideas about connections between mass & volume should emerge.
Explain	The "normal" coke is denser and therefore sinks in the water.
Evaluate	Students will be asked to explain the theory behind the experiment, to assess their understanding.