



Soda Sink or Float

Test to see whether different sodas float or sink in water.

What you need:

3 regular soda cans
3 diet soda cans
Kitchen sink or plastic tub that will hold 12 inches of water.

**Dr. Pepper results might differ from other sodas.*

What to do

1. Fill a sink or plastic tub with 12 inches of water.
2. Put the diet soda in the water and record what happens on your data sheet.
3. Put the regular soda in the water and record what happens on your data sheet.
4. Experiment with at least 4 other drinks and record your data.

What to ask

- What happened when you put a can of diet soda in the water?
- What happened when you put a can of regular soda in the water?
- What do you think made them sink or float?

Did you know?

When an object is placed in water it will displace, or push away, its weight in water. The density of an object determines how much liquid it will displace. Objects sink if they are denser than water. Objects float if they are less dense than the water surrounding it. The amount of water an object displaces weighs the same as the object itself.

What's next?

- Test out different bottled drinks. Did their results match the diet sodas or the regular sodas? What conclusions can you make from these results?



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Soda Float or Sink Data Sheet

Product Name	Sink	Float

Conclusion

Did your data support your hypothesis? _____

Why or why not? _____