

Which One Floats?

1) What is the mass of the can of Coke? _____

What is the volume of the can of Coke? (it is printed on the can) _____

2) What is the mass of the can of Diet Coke? _____

What is the volume of the can of Diet Coke? _____

3) Predict what you will find when you put the cans in the water:

4) What did you find when both cans were put in the water?

Record the density of each liquid:

5) Density of Coke: _____

6) Density of Diet Coke: _____

7) What did you find when you measured out the sugar vs. the sweetener?

8) Why do the cans of pop act like they do when placed in water?

9) How does measuring out the sugar help you understand this?
