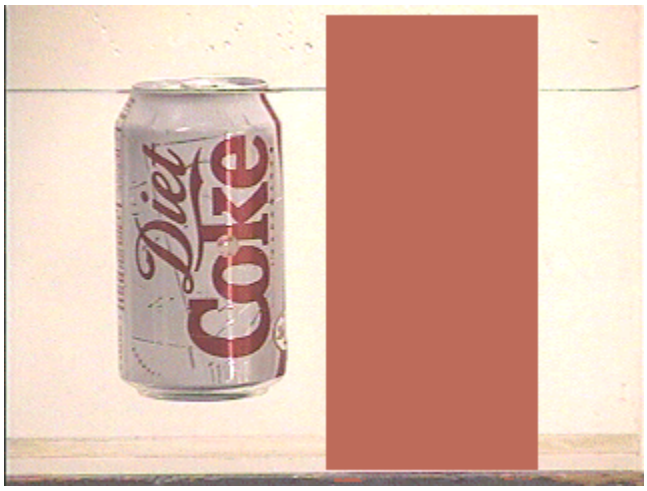
Question #199

A can of Diet Coke and a can of (regular) Coca Cola are placed side-by-side in a container of water. A mask has been electronically inserted to cover up the Coca Cola can, as seen in the photograph below. The Diet Coke can is just barely floating, as can be seen in the photograph.



Assuming that there is the same volume of both drinks in their respective (identical in size and shape) cans, the question this week involves how the regular Coca Cola will float relative to the Diet Coke.

The regular Coca Cola can will:

- (a) float higher in the water than the Diet Coke.
- (b) float at the same level as the Diet Coke.
- (c) float lower in the water than the Diet Coke.
- (d) sink.

Click here for Answer #199 after November 22, 2004.

Question of the Week

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For questions and comments regarding the *Question of the Week* contact
Dr. Richard E. Berg by e-mail or using phone number or regular mail address
given on the Lecture-Demonstration Home Page.