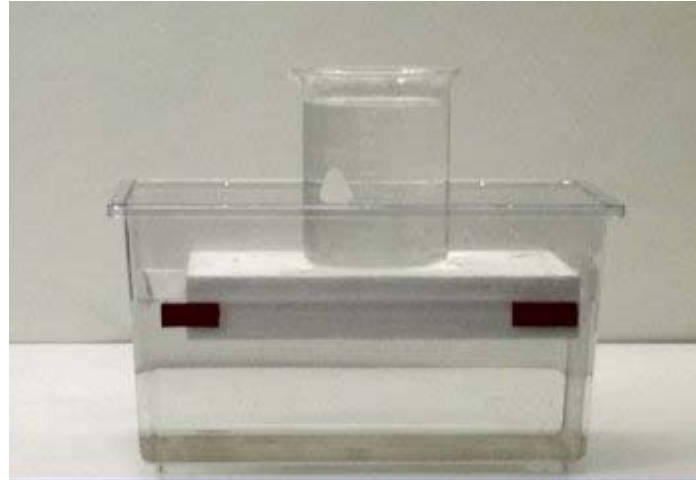


Question #260

A beaker of water rests on a chunk of styrofoam in a tank of water, as seen in the photograph below. The water level in the tank is marked by the top of the two strips of black tape near the sides of the tank.



Now we will lift the beaker of water off the styrofoam float, pour all of the water into the tank, and replace the beaker on top of the styrofoam. Where will the water level in the tank be after this action? In effect, we are transferring the water in the beaker into the tank, keeping everything else the same.

When the water is poured out of the beaker into the tank, and the beaker replaced on top of the styrofoam, relative to the original level shown in the photograph above the water level in the tank will be:

- (a) higher.
- (b) lower.
- (c) the same.

Click here for [Answer #260](#) after October 23, 2006.

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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](#).