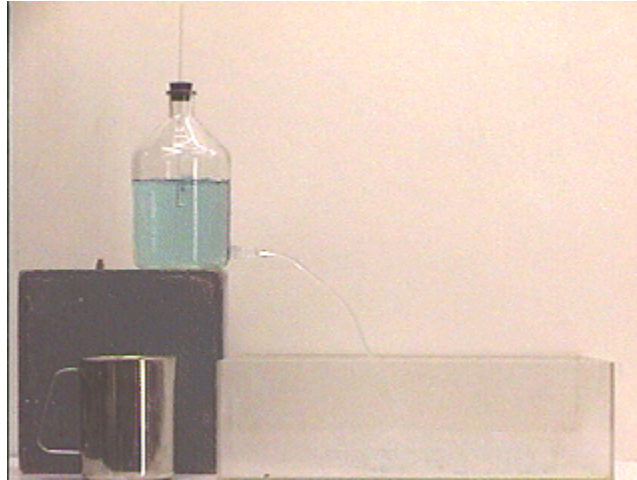


Answer #79

The answers are (a) the range will be virtually zero, and (c) the range will remain the same. In fact, after a few initial dribbles, allowing the water level in the capillary tube to reach the level of the nipple, *no water will flow*, as seen in an mpeg video by clicking your mouse on the photograph below.



In this case, the end of the nipple starts at atmospheric pressure and the water level at the bottom end of the capillary tube quickly adjusts to atmospheric pressure, so there is no net force causing water to flow out of the bottle.

[Archive 4](#)

[Question of the Week](#)

[Outreach Index Page](#)

[Lecture-Demonstration Home Page](#)



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](#).