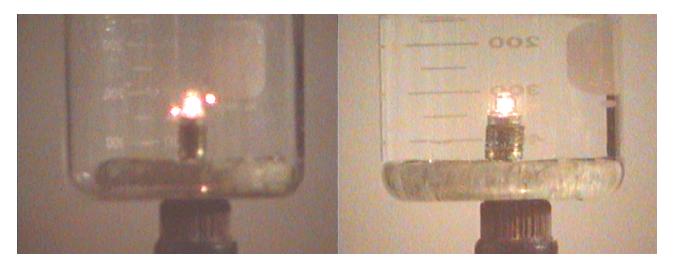
Answer #182

The answer is (c): the light will remain about the same brightness, as seen in the photograph at the right and in an mpeg video that can be viewed by clicking your mouse on the photograph at the right.



To a good approximation, water does not affect magnetic fields, so the flux change inducing the voltage in the coil and thereby causing the light to go on is unaffected by the water.

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