## **Answer #272**

The answer is (b): the frequency will decrease, due to the resonance of the tube, as can be heard by clicking your mouse on the photograph below.



When the tube becomes longer, the wavelength increases, causing the pitch to decrease.

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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>.