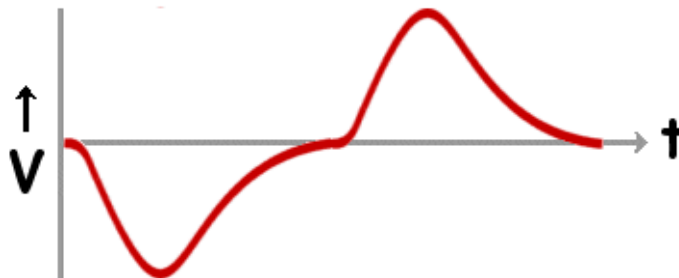
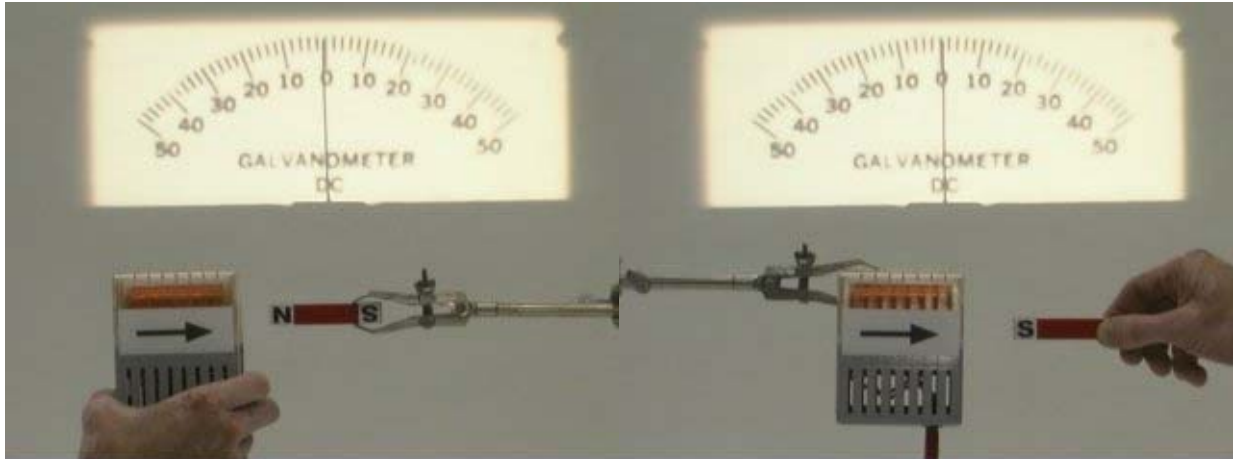


Answer #226

The answer is (d), as can be seen in an mpeg video by clicking your mouse on the photograph in the center below. The graph at the right is an approximation to the voltage vs. time curve produces when the magnet is inserted and then removed after a short pause.



Can you predict what the voltage vs. time curves will look for the four cases shown below? After you have made your decision click your mouse on the photograph to see our results.





This experiment was used by Einstein as an argument for the basic equivalence of electric and magnetic phenomena, and for the non-existence of a preferred reference frame in which the experimental result would be more fundamental than in other reference frames.

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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](#).