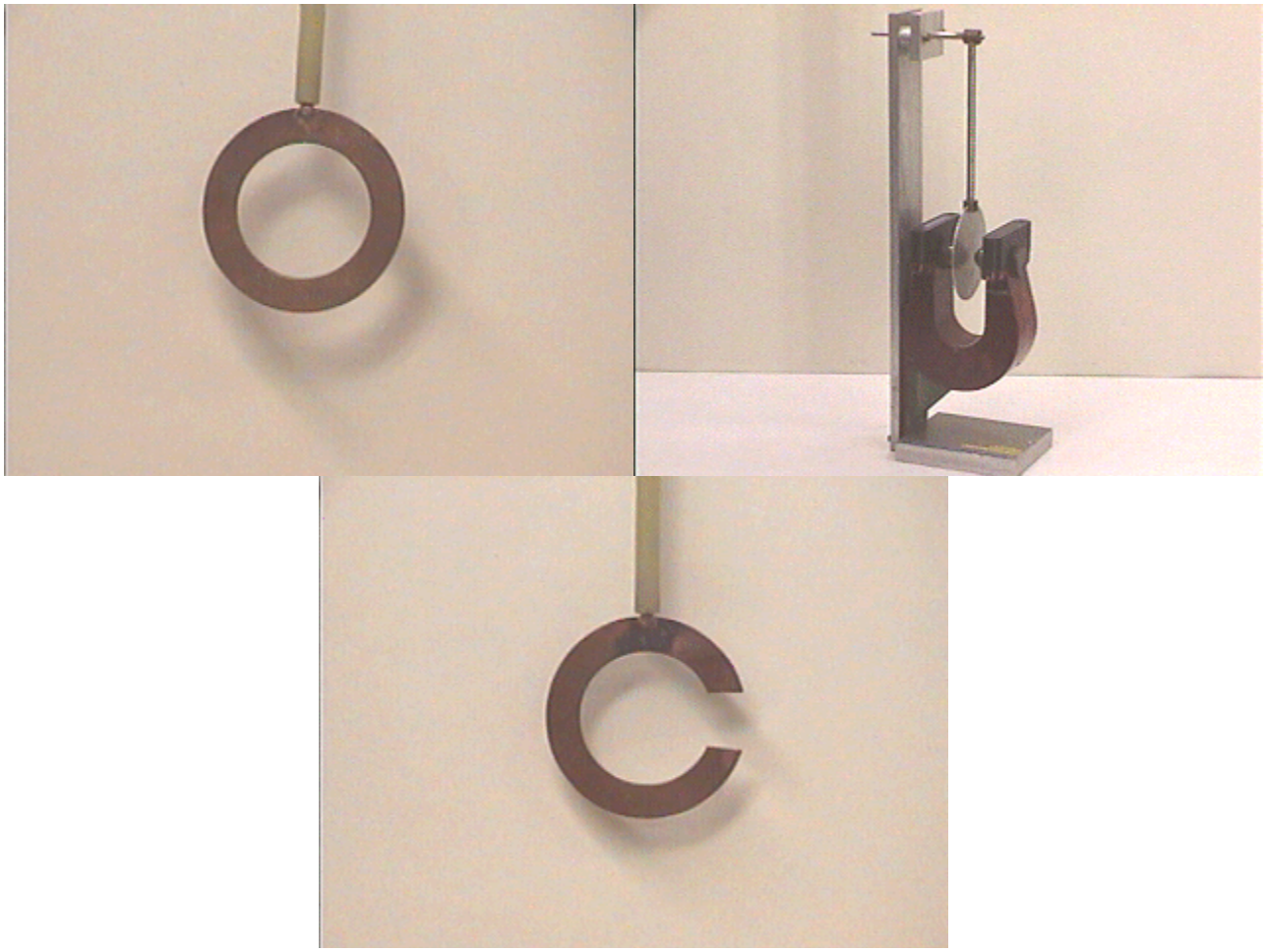
Answer #137

The answer is (a): the complete ring will be damped out more rapidly when it is swung in the magnetic field, as seen by viewing mpegs of the action by clicking on the photographs below.



If the ring is broken, a large loop of induced current cannot be created as it enters or exits the magnet. The smaller currents induced within the small copper band are not as effective in creating large damping forces.

Question #138 deals with a more subtle application of the eddy current pendulum.

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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.