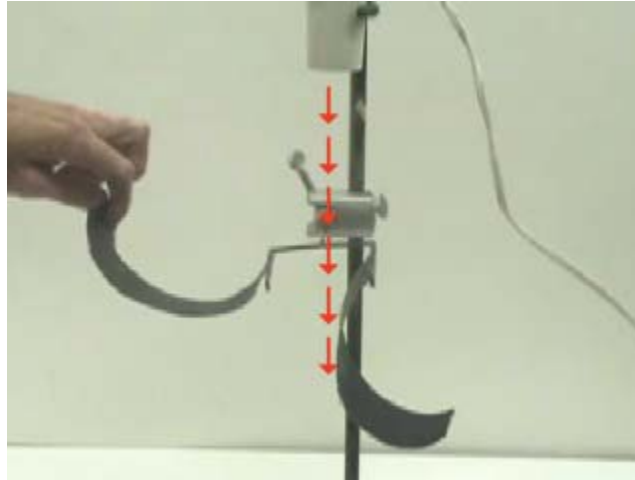


## Question #345

Shown below is a thin metal sheet attached loosely to a horizontal metal wire (an aluminum soft drink can that has had its ends stripped and is cut so that it can be unrolled with one end of the roll loosely attached to a horizontal metal wire).



At the top of the photograph is the end of an air blower which, when turned on, will blow air downward onto the convex side of the unrolled sheet. The red arrows show the path of the center of the air stream from the blower past the metal sheet, if the airstream were to go straight, which may or may not be the case.

When the air is turned on, because the sheet is loosely hung on the wire it may rotate about the upper end, as is the one held at the left. Perhaps the airstream will "push" the sheet to the right, or maybe the airstream will "pull" the sheet to the left. Or perhaps the metal sheet will not move at all. That is the question!!

When the air stream is turned on:

- (a) the sheet will move to the right.
- (b) the sheet will move to the left.
- (c) the sheet will remain motionless where it is.
- (d) the sheet will move in some other way (explain).

Click here for [Answer #345](#) after April 27, 2009.

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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](#).