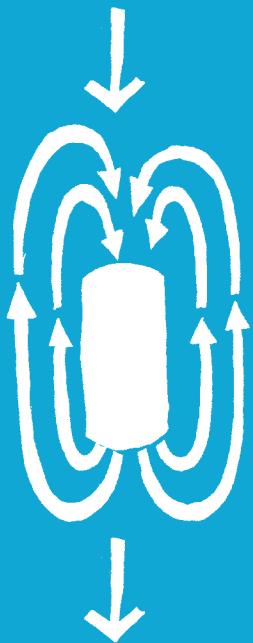


# LENZ'S LAW



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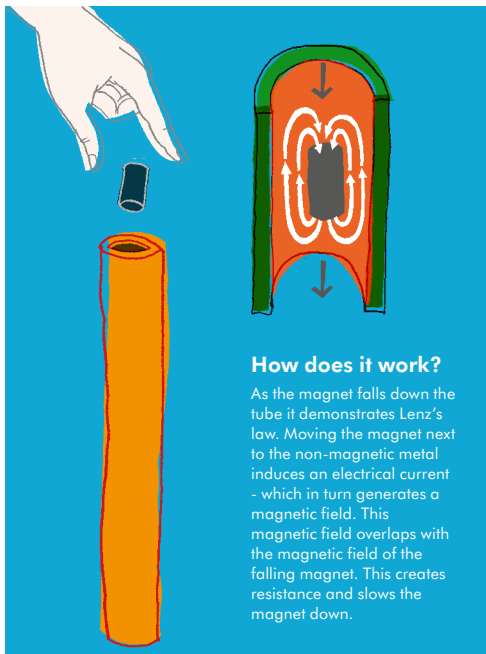
Designed by Tom,  
Design engineer at Dyson

## The brief

Create a working demonstration of Lenz's law.

## The method

1. Drop the magnet into the tube.
2. Watch what happens.



## Materials

A one foot-long  
domestic copper  
plumbing tube

Strong magnet that  
fits freely - but closely  
into the tube

## Design icons



This system is similar to how electromagnetic brakes work on rollercoasters. The wheel is the tube, and the magnet is attached to the chassis of the train. The movement of the train is slowed without any friction parts to wear out.