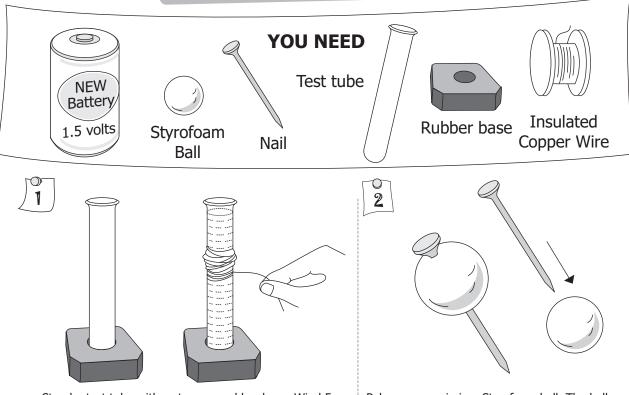
MAGNETIC DIVER

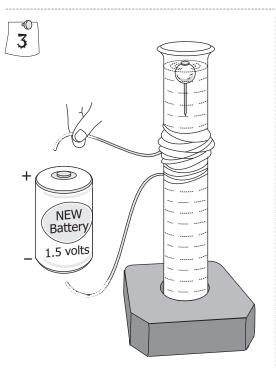


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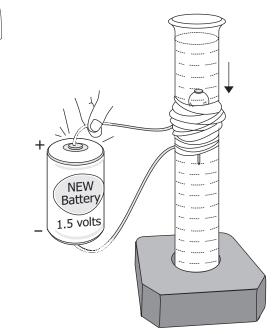
4

Stand a test tube with water on a rubber base. Wind 5-m of insulated copper wire.

Poke a paper pin in a Styrofoam ball. The ball and pin must just float in water.



Scrape the insulation from the ends of the coil and attach them to a 1.5-volt battery.



The coil will become an electro-magnet and the pin-ball will take a deep dive. On disconnecting the battery the pin-ball diver will pop up.