

DO TRY THIS AT HOME

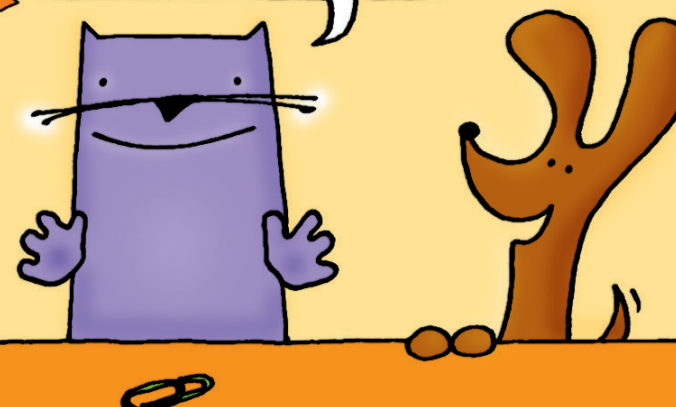
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Featuring: **Marvin and Milo**


What you need: • A paperclip • Water • Two identical wine glasses



I bet you can't make the paperclip move without touching it.



Put equal amounts of water in both glasses and stand them next to each other but not touching.



Straighten out the paperclip, bend it slightly and then balance it on the rim of one of the glasses.



With a wet finger, rub the rim of the other glass until it "sings".

The paperclip moves!



Rubbing the glass makes it vibrate at its natural frequency. As the other glass is identical it has the same natural frequency, and the sound waves from the first glass make it vibrate as well - so the paperclip moves.



Vic Le Billon