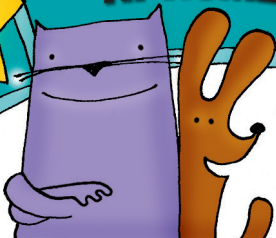


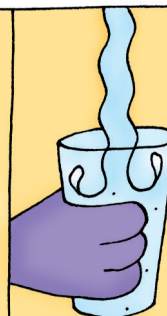
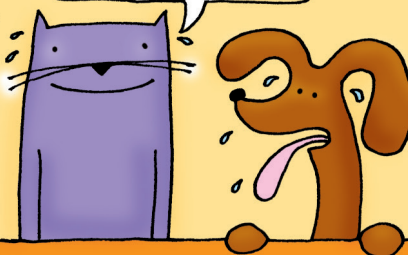
DO NOT TRY THIS AT HOME

The
Light
Collection



What you need: •Two clear glasses
•Tap water •Tonic water • Dark paper

Hey Milo, I've got a cool trick for a sunny day!

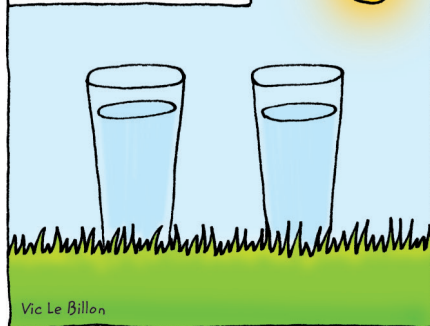


Fill one glass with tap water...



... and the other with tonic water...

... and put them both in direct sunlight.



Vic Le Billon

Holding the dark paper behind them, but not blocking the light, look across the surfaces of the water. The tonic water will be giving off an eerie blue glow!



Tonic water contains quinine. The quinine absorbs ultraviolet light from the Sun and re-emits it as visible blue light.



www.physics.org search term: ultraviolet light