

DO ~~NOT~~ TRY THIS AT HOME

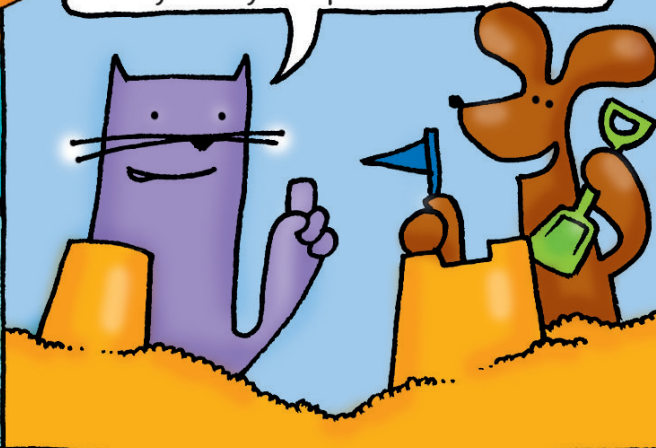
Issue #154



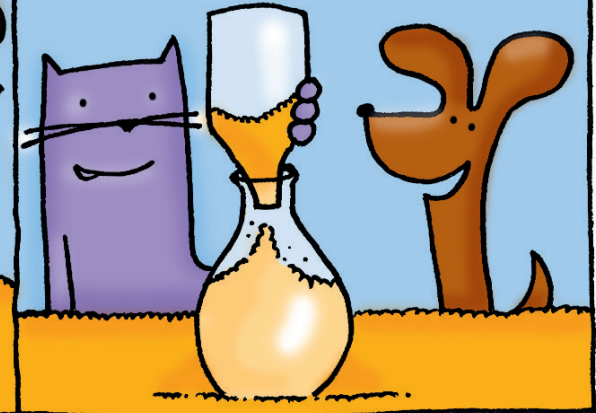
Featuring:
**Marvin
and
Milo**

What you need: • Bottle full of dry sand
• Clear balloon • Funnel • Water

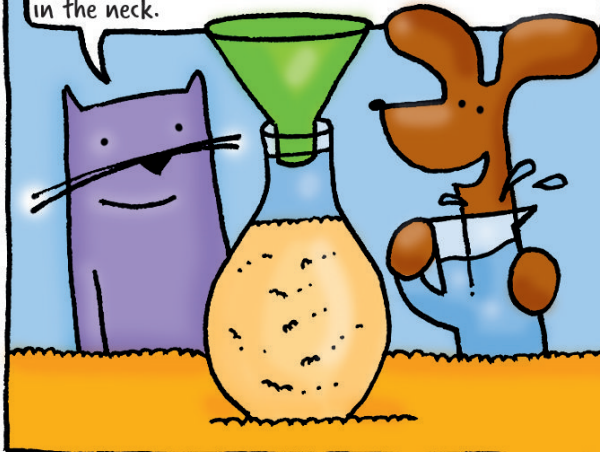
Milo, do you know why your footprints are dry when you step on wet sand?



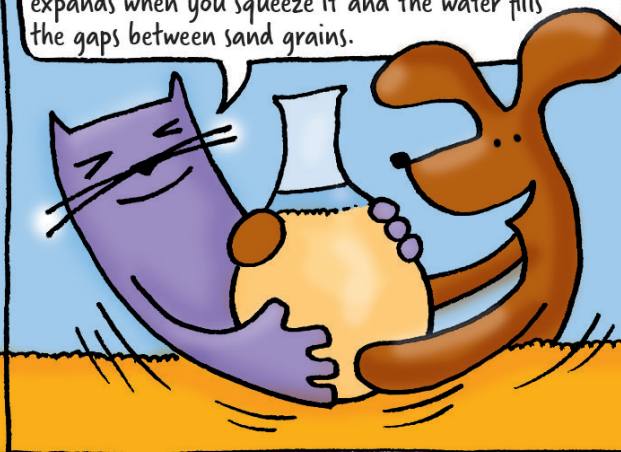
Fill a balloon with sand. Use an inflated balloon placed over the bottle opening and turn it upside down. Then let the air out of the balloon.



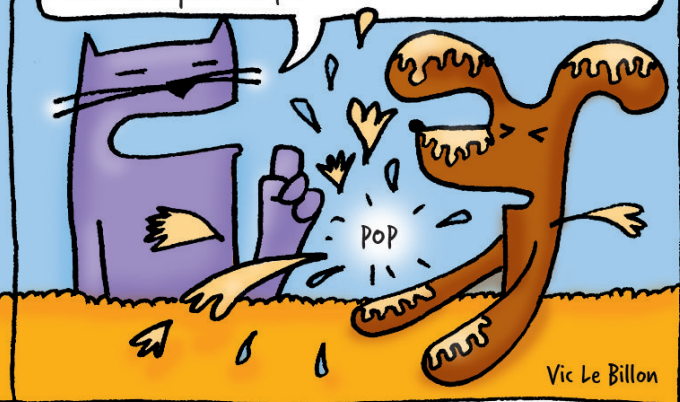
Pour water through the funnel into the balloon until all the sand is wet and there's a little water in the neck.



Squeeze the balloon - the level of water in the neck goes down instead of up! The volume of the wet sand expands when you squeeze it and the water fills the gaps between sand grains.



Squeezing the sand causes each layer of grains to shift and the layer below to move the opposite way. These tiny movements create gaps in the bulk of the sand which the liquid can fill.



Vic Le Billon