

Pen Lid Diver



What you need:

1 litre clear plastic bottle

A pen-cap (one with a sealed top and no holes apart from the one for the pen!)

Plasticine or Blu-Tack

A jar or wide glass full of water

Instructions:

1. First you must add weight to your diver (the pen-cap) with blue tack or plasticine. Put blobs on the arm of the pen-cap (but don't block the hole at the bottom - see picture in top right corner). Then test your diver in a bowl full of water. Drop the pen-cap in, so it catches a bubble of air and get it to float just on the surface.
2. Now fill up your plastic bottle nearly to the top. Drop in your diver (remember to catch a bubble of air in it!) Screw the lid on your bottle!
3. Squeeze on your bottle and watch the diver sink. Let go of the bottle and watch the diver come back again!

