

Purdue Physics and Astronomy Sidewalk Science

How to make a Cartesian Diver



- 1. Cut off all but about half an inch of the stem of the dropper.
- 2. Slide a lock washer onto the remaining stem.



- 3. Fill a cup with water. Hold the open end of the dropper in the water.
- 4. Squeeze out some air and let some water into the bulb.



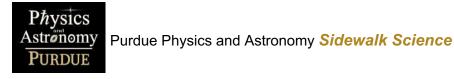
5. Add or subtract water in the dropper until the dropper just barely floats.



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- 6. Fill a 1 L bottle ³/₄ full with water.
- 7. Drop in the diver *without* squeezing any of the air or water out.
- 8. Screw the cap on and enjoy your Cartesian Diver.



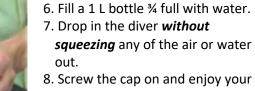
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