

Collecting a Gas Using Water Displacement

Fill a pneumatic trough (or similar container such as a pail or dishpan) half full of water. Completely fill two wide-mouth gas collecting bottles with water by filling to the rim, covering with a glass or plastic square plate, and lowering them in an inverted position into the trough. Remove the square while the bottle is under water.

Insert a gas delivery tube from the generator into the bottom of the bottle. Collect the gas. When a bottle is full, the gas will begin to bubble out of the trough. Lower the filled bottle (still upside down with mouth beneath the water) to the bottom of the trough, stopper under water, and remove. If the gas is not particularly light, you may wish to collect all bottles of the gas before stoppering and removing them.

Transfer the delivery tube to the next bottle until all are filled. Then remove the delivery tube from the trough.

