



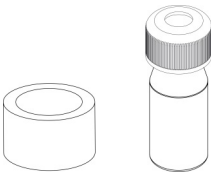
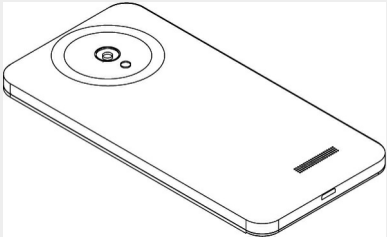

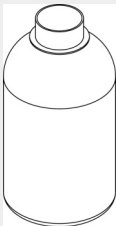
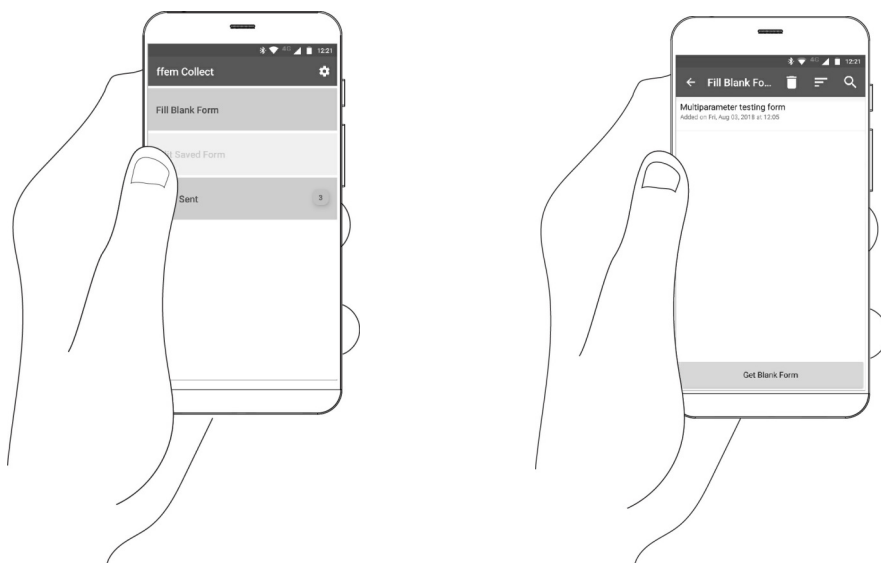


Things You Will Need

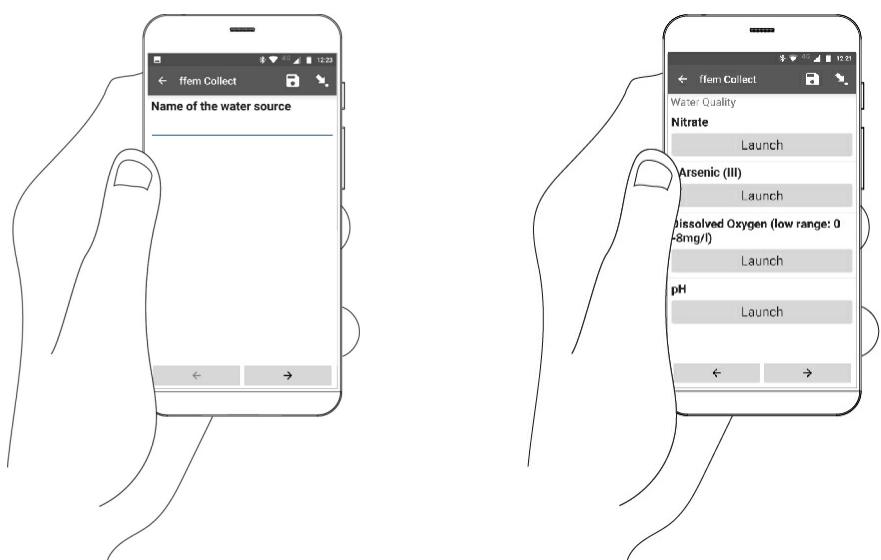
#	Item	Image
1	1 bottle of Arsenic Reagent A	
2	1 bottle of Arsenic Reagent B	
3	1 bottle of Arsenic Reagent C	
4	1 Arsenic test strip	
5	A Cuvette and pipette	
6	A smartphone with the ffem apps installed, and an alignment sticker	
7	A 10 ml measuring tube	
8	A sample of water to test	

## Steps

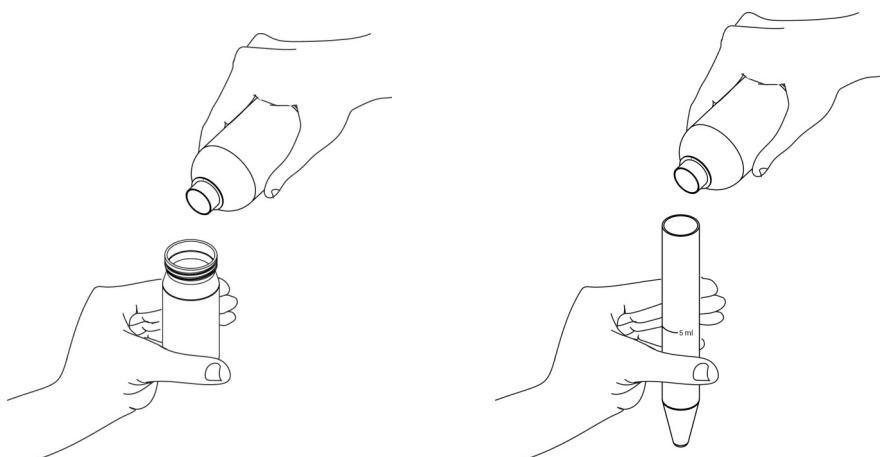
1. Open the fhem Collect app, and select "Fill Blank Form". Select the form you need to fill out.



2. Answer all the questions in the form, swiping left to go to the next questions. When you reach the water quality questions, launch the test for Arsenic

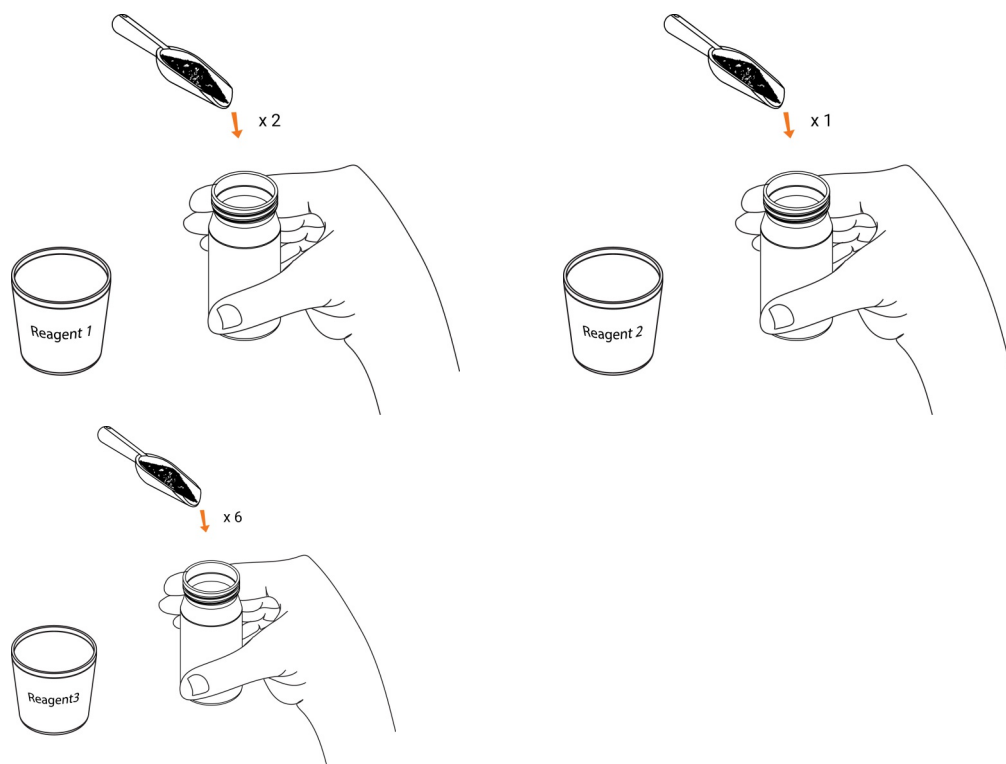


3. Rinse the empty cuvette and measuring tube twice with the sample to remove any traces of previous solutions. Measure 5 ml of the sample with the measuring tube.

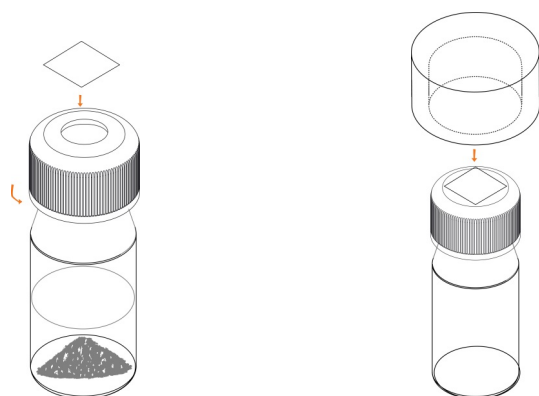


## Total Arsenic

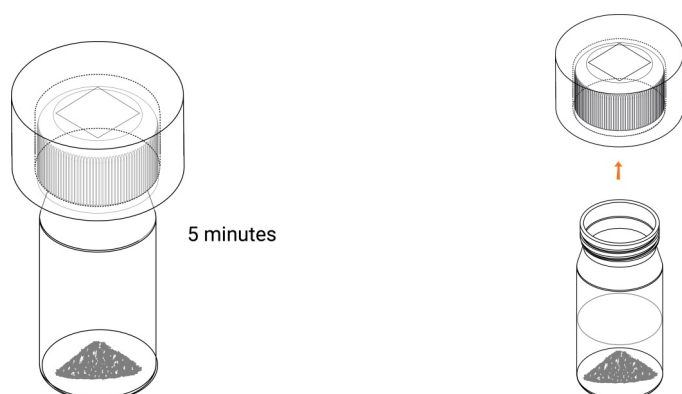
4. Pour the sample into the cuvette. using the provided spoon, add two spoons of reagent 1, 1 spoon of reagent 2 and 6 spoons of reagent 3. Gently swirl the solution to speed up the reaction, without letting anything spill.



5. Screw the lid of the cuvette. Using the provided tweezer, place the arsenic strip over the hole of the cap. Quickly place the cover over the strip.

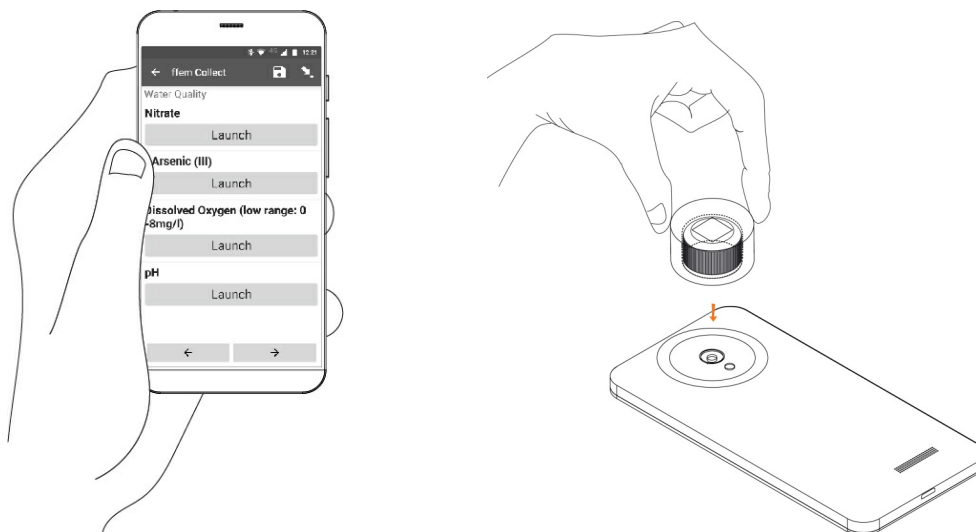


6. Leave the sample to sit for 5 minutes. The reaction will proceed, releasing a gas that will create a color on the test strip. Once 5 minutes have passed, unscrew the lid of the cuvette (without removing the pipe and strip).

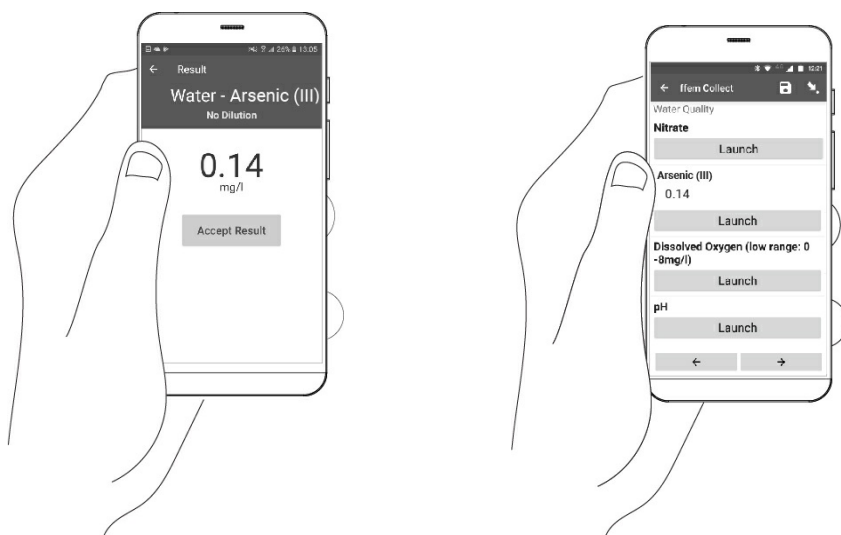


## Total Arsenic

- Launch the test from the ffem water app, and place your phone face down. Use the alignment sticker to help center the pipe+cap+test strip combo over the phone camera. Wait for a minute for the test to complete - you will hear 6 beeps and a "Test Completion" sound.



- You should receive a contaminant concentration value in ppm. Tap Accept Result to return to the survey.



- Complete the rest of the survey, and submit it once you have filled in all the forms. Empty the contents of the cuvette and make sure to rinse it properly.

