



3.6.B – Teacher resource

Before the P&G Purifier process	During the P&G Purifier process
<ul style="list-style-type: none">• Encourage the high school students to watch the P&G Purifier packets demonstration before this learning plan.• Remind the high school students to follow all safety procedures when handling this equipment, before, during, and after.• Have a timer ready and suggest that students all put their P&G Purifier packets in their water samples at the same time. This way, students will be able to discover together what happens to their water sample.• Use a cotton T-shirt to strain the water instead of a cheesecloth. It will work better and is more often used in the field.• Make sure your spoon for mixing is long enough that your hand will not touch the water as you are mixing it.	<ul style="list-style-type: none">• Decide how you want to pair up the students. You could have two high school students partner with two third grade students, each sharing their water source and one P&G Purifier of Water packet.• When putting the cotton T-shirt on the empty water container with the rubber band, give the T-shirt some slack. This will help avoid water spillage.• Pour the water into the filter very slowly and watch to make sure you don't overflow your water container.• The effects happen quickly! Make sure you are ready to observe the process once you begin.• Follow the time guidelines carefully—perhaps, put up times on the board for the class to all follow together.
After the P&G Purifier process	Video links/Demonstrations
<ul style="list-style-type: none">• Remind the students that the cotton shirt and any water that splashed is not clean and they should not be touching it.• Have an adult carefully dispose of the cotton material.• Disinfect the table and working area.• The P&G Purifier packets work best when they are put in 10 L of water. The water the students collected will very likely not be 10 L of water. Because of this, do not advise students to drink this water. It will have a higher concentration of chlorine.	<ul style="list-style-type: none">• How to use P&G Purifier packets: https://www.youtube.com/watch?v=9FI76lMO7kA• Time lapse of walk to water and purifier demonstration: https://www.youtube.com/watch?v=C8lzVDCZdjA