



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