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**How can we improve water quality?**

Go to: <http://bhaskaran.weebly.com/explore.html> (Scroll to the bottom of the page, click on Best Management Practices) Take a map tour and describe the different Best Management Practices.

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|  | **BMP Type** | **Description** | **Suitable location** |
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**Application**

For each of the following scenarios identify the BMP that will solve the problem and explain why you think that it would solve the problem.

1. Rain is also falling on parking lots at shopping malls and on the highways. The waters flow into a nearby stream. After the rain stops, some children playing in the water downstream notice that there is a light film of oil on the water. **What BMP will help to reduce this issue and why?**
2. Some children go by a com field. They remember how hot they got last month when they helped granddaddy fertilize the field to get it ready to plant. They remember how wonderful it was when it rained the next day. At last the children got to a spot where they usually catch a lot of fish. They found algae and weeds that were not there during the first part of the summer. The children wonder why there was so much algae and weeds growing in the stream now. **What BMP will reduce the algae and how?**
3. Employees of the wastewater treatment plant notice the creek turns green and smells. The employees couldn’t understand this, so the employees looked at their maps to determine if any creeks flowing into the river might be the source of the new pollution. They notice that a creek a couple of miles upstream flows by the new golf course that had just opened and they call the golf course office to find out if they had fertilized their grass. They had, in fact, fertilized it right before a heavy rain. **What BMP can the golf course use to reduce their impact and how will this BMP reduce pollution?**