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# Buffers

How can "run-off" harm a pond or stream.

## Procedure:

1. Create a model of a watershed in a large aluminum pan. Use crumpled paper to create interesting formations underwater and then cover it with one piece of aluminum foil.
2. Add water to your watershed to create your "Bay".
3. Put various pollutants on different parts of your watershed. Make it "rain" and watch the movement of the pollutants.
4. Reset your model, this time using different materials to try to block the flow of pollutants.
5. Make it "rain" and observe differences.

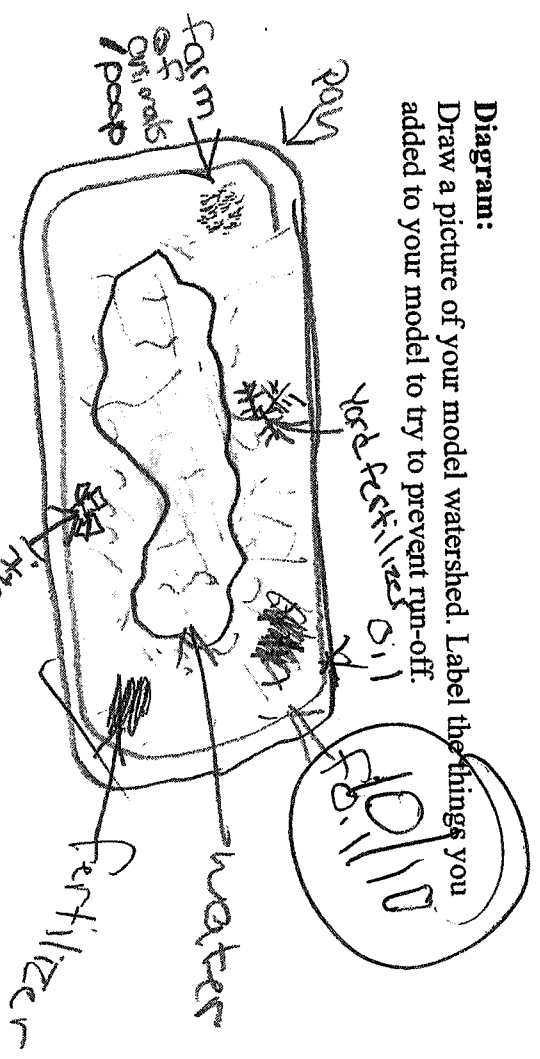
## Vocabulary:

Sediment: dirt that gets in water & collect

Buffer: anything that blocks

run-off from getting into the bay.

Diagram:  
 Draw a picture of your model watershed. Label the things you added to your model to try to prevent run-off.



Conclusion: Tell about how your model of the buffers showed reduced pollution in your body of water. What things in the real world act as buffers for streams and rivers?

run-off can hurt a body of water by polluting it and can kill animals living in the water. Buffers can help by soaking up most of the water and can kind of stop run-off but not as well. Examples of buffers are: Trees, tall grass, mulch.