**Sugar Creek Waste Water Treatment Assignment**

* Draw a model of the waste water treatment system including inputs, outputs, storages, and flows
	+ Look back at topic 1.2 Systems & Models
	+ Review the steps involved in this process
* Discuss positive and negative feedback mechanisms within the system
* Write a **500 minimum word** essay outlining the process and how this system works. Don’t freak out. This sheet you are reading right now contains 198 words! Make sure to include the following:
	+ Organic waste (fecal matter)
	+ Inorganic waste (paper, sediments, trash, etc.) Remember the gift shop, Ally!
	+ Organisms used to clean the water (aerobic and anaerobic bacteria)
	+ Extracted solid waste (fertilizer, biofuel)
	+ Buffers (magnesium hydroxide)
	+ Biochemical Oxygen Demand (BOD)/dissolved oxygen = measurement of pollution
	+ Equipment used
	+ Sampling stations
	+ Regulations in place to ensure the system is working properly (think of volume, overflow)
	+ Environmental concerns
	+ Flaws in the system
	+ Anything you learned!!!
	+ Lastly, you need to include a reflection
		- How has this visit influenced your attitude towards our water treatment systems? Aquatic systems?
		- What can you take away from this experience?

Due Date:

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