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| --- | --- |
| sewage=liquid garbagedecomposer=bacteriatoxin=poison | **Eutrophication** * lake or pond becomes overly enriched with nutrients
* stimulates growth of algae (algal bloom)

**Eutrophication** **Cause*** naturally - if many nutrients are deposited into an area
* human caused
	+ release of sewage
	+ runoff that contains animal wastes and fertilizers

**Eutrophication Effects*** excess nutrients cause algal bloom
* as algae die, decomposers use up dissolved oxygen
* lack of oxygen causes other organisms to die
* some algae produce toxins that are eaten by other organisms

**Preventing Eutrophication*** treat sewage and waste water
* use phosphate-free detergents
* land management practices to reduce runoff in suburban & agricultural areas

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**Summary:** *Answer using complete sentences.  A golf course near a lake has recently put fertilizer out to help their grass grow.  A large storm causes a lot of runoff from the golf course into the lake.  How will the lake ecosystem be affected?  (Use details.)*

How do excess nutrients cause a problem for the lake?