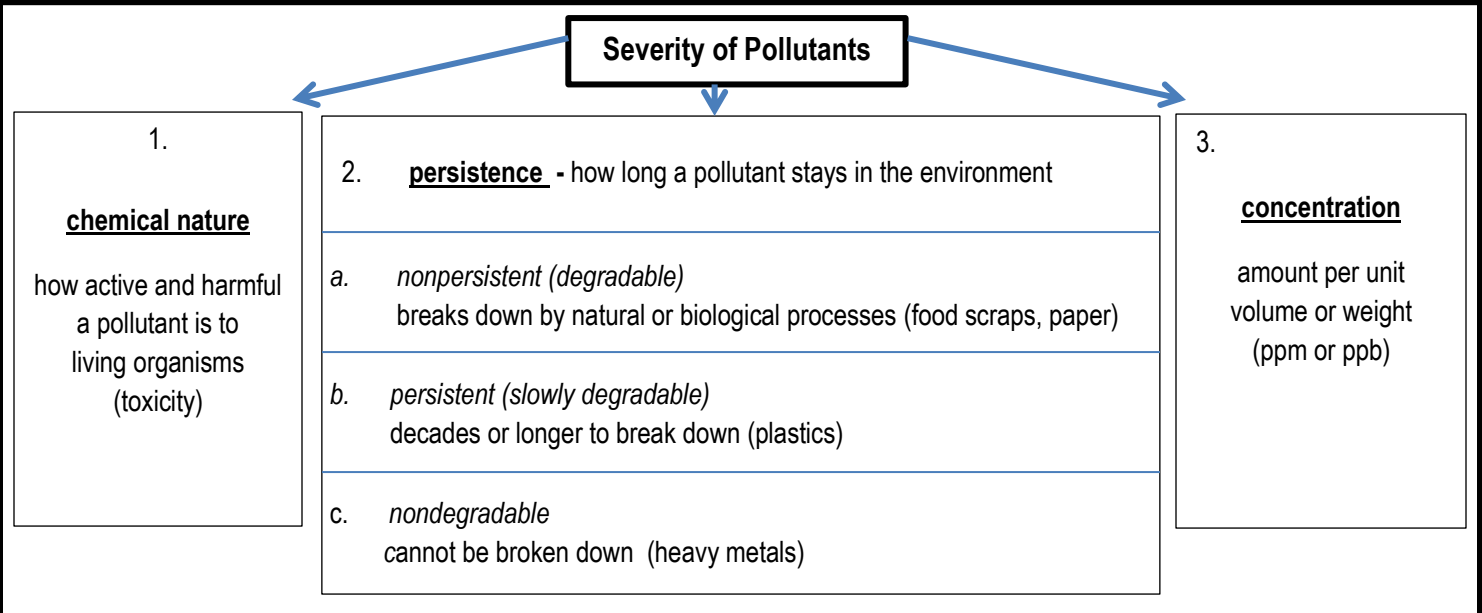


# AIM: Pollution: Types and Effects?

**Pollution:**  
when too much of a substance or form of energy adversely affects the environment and/or organisms living in it

Pollution Source Classifications		
<p>1. <b>anthropogenic</b> (from human activities)</p> <p>v. <b>natural</b> (volcanic eruptions, wildfires, natural disasters, pollen, animal wastes)</p>	<p>2. <b>point</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>single identifiable source (PS)</p> <p><u>Examples:</u> oil leak from oil tanker smokestack from factory thermal plume from nuclear power plant chemical plume from a factory</p> </div>	<p>v. <b>nonpoint</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>often dispersed and difficult to identify source (NPS)</p> <p><u>Examples:</u> litter on city streets runoff from streets carries oil from different cars runoff carries fertilizers from several farms / lawns</p> </div>



**The Synergistic Effect of Pollutants:**  
**synergistic:** an interaction that produces a combined effect greater than the sum of their separate effects

## Pollution Control

<p>1. proactive</p> <p>“input pollution control” attempts to stop pollutants from entering the environment</p> <p><i>the 4 “r”s (reduce, reuse, recycle, refuse)</i></p>	<p>2. reactive</p> <p>“output pollution control” cleaning up pollutants after they have been produced</p> <ul style="list-style-type: none"> <li>- “temporary bandage”</li> <li>- pollutants just get moved to another environment</li> <li>- more costly to remove pollutants after they’ve been dispersed</li> </ul>
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