

**Topic 4 – How Much Is Too Much?**

- To determine if something is a pollutant or pollution we must determine ...
  - how much of it is present
  - how long it will take to degrade
  - how much it costs to clean it up
  - why it was released in the first place
- 'Percent' of weight, or volume, means how much there is in a weight or volume sample of 100. Concentrations of chemicals are usually measured in ...
  - percentage of minute parts in one million
  - how many million parts are present
  - millions to one or grams to kilograms
  - parts per million or milligrams per Litre
- The community of Lynnwood Ridge in Calgary has a toxic substance in the soil that accumulates in the human body, as a result of many exposures over time. This type of toxicity is ...
  - safe
  - acute
  - chronic
  - invasive
- Scientists measure toxins in LD50 amounts. LD stands for
  - Legal Dose
  - Limited Dose
  - Little Dose
  - Lethal Dose
- 50 represents 50% of the subject group that will die, if they are given the specified dose, ...
  - In 50 doses
  - all at once
  - over 50 hours
  - 50 times
- Most of our fatal-dose information for humans comes from ...
  - accidental-exposure case studies
  - experiments during the World Wars
  - case studies during the 1950's
  - stories that were once urban legends
- Thalidomide was originally developed as a ...
  - pain pill
  - laxative
  - sleeping pill
  - stimulant
- For every single molecule of human-made pesticide - nature forms this many natural pesticides...
  - 1,000 molecules
  - 10,000 molecules
  - 100,000 molecules
  - 1 million molecules
- To receive an LD50 dose of a particular substance that was tested for mice – a human would have to drink 70 cups of that substance ...
  - in 50 hours or more
  - in 50 hours or less
  - all at one – in one sitting
  - a little at a time to avoid vomiting