Some key ideas to remember for your science test…

Key words/concepts:

Inorganic minerals in the human body

Biodegradable/biodegradation

Nitrogen fixation

Macro and micro nutrients

Sewage treatment- effluent and solid waste

Transport of substances- active and passive transport

Nutrients in humans and their functions- carbohydrates, proteins, fats, nucleic acids

What are lichens and where do they live?

What bioindicator species are most likely used to determine water quality? (think invertebrates, fish, and amphibians such as frogs).

Acid rain- what pH is considered to be ‘acid rain’?

Parts per million calculations from percents and mL in solution

Characteristics of acids and bases?

What is a neutralization reaction?

What is LD50?

What does an MSDS provide, exactly? Give examples.

What do the following human activities do to water quality:

* a coal-burning factory near a river
* cattle manure dumping
* a logging company removing trees near a river
* raw sewage dumping