Acids and Bases

Review chapter 5.1

Read pages 194 – 195

List some common acids and bases that you may encounter in your life:

What does it do? Or how is it produced?	Acid or Base and Name	Where is it found?
	Carbonic Acid	
	Deoxyribonucleic Acid	
	Ammonia	
	Hydrochloric Acid	
	Sodium Hydrogen Carbonate	
Read pages 200 – 201 – What do these acid and bases do?		
	Muriatic Acid	
	Sulfuric Acid	
	Acetic Acid	
	Sodium Hydroxide	
	Ammonium Hydroxide	
	Magnesium Hydroxide	

Read 5.2 Environmental Roles of Acids and Bases

Page 205 Describe three ways that soil pH can affect plants.

Page 207 How do neutralization reactions aid in the following situations:

1. Agriculture

2. Acid Reflux

3. Figure 5.17 - Bee stings

4. Processed foods

5. Eating fish

What is Acid Precipitation?

How does acid precipitation occur (cause, chemical reactions, sources)?

What are three problems that are caused by acid precipitation?

Why are some lakes more sensitive to acid precipitation than others?

How can we solve the environmental problem of acidified lakes? (Include the chemical reaction)

What are two ways technology can reduce the chances of creating acid precipitation?

What are heavy metals and give some examples along with their sources?

What are some effects of heavy metal accumulation?

Explain the problem and solution of acid leaching.