Science 30	Unit B: Chemistry		
Lesson 4 - Biomagnification and Bioaccumulation	84 mins		
Plant Nutrients and Metal Leaching			
Biomagnification and Bioaccumulation			

Science 30 - Lesson 18 - Chemicals and Living Organisms

Plant Nutrients and Metal Leaching

1)

Few plants can tolerate low pH, therefore it is important for farmers to select crops best suited to the pH of the soil. Research to determine the effect on plants if leaching (chemical moving through soil) of metals occurs in the soil due to acid deposition.		
Ca ²⁺ Leaching		
Metal Leaching (Eg. Iron, copper, etc)		
Al ³⁺ Leaching		
Hg ²⁺ Leaching		

Biomagnification and Bioaccumulation

2)	Research the effect of Biomagnification and Bioaccumulation, how are these processes similar? Different? Write a paragraph for each and draw a diagram for each showing how the effect works in a local ecosystem.