



How do humans affect the environment?



Prelab:

Directions: Fill two pots $\frac{3}{4}$ full with soil. Add 2 or 3 seeds to each pot and bury in soil. Keep the pots watered and well lit until they begin to grow into plants. After several weeks, you will use the scientific method to test how different pollutants affect the plants.

What are the steps of the scientific method?

You planted two plants. One plant is the control. What is the control and why do you need one?

Ask a **question** that you can test about how human influence can affect the environment. (ex How does acid rain affect plant growth?)

Form your **hypothesis** about the experiment. Your hypothesis should answer the question you are testing. (ex. I think the plant will grow_____)

Experiment:

Write **procedure** (the steps you performed) for this experiment. What did you add to the experimental plants to represent human influence? What did you add to the control?

Data Chart:

Date	Height (cm)		Leaf Size (cm)		Color		# of plants	
	Cont.	Exp.	Cont.	Exp.	Cont.	Exp.	Cont.	Exp.

Post Lab:

What happened to your experimental plant? What happened to your control? **Analyze your Data.**

Write your **conclusion** about the experiment you performed? Did you answer your question? Was your hypothesis correct?