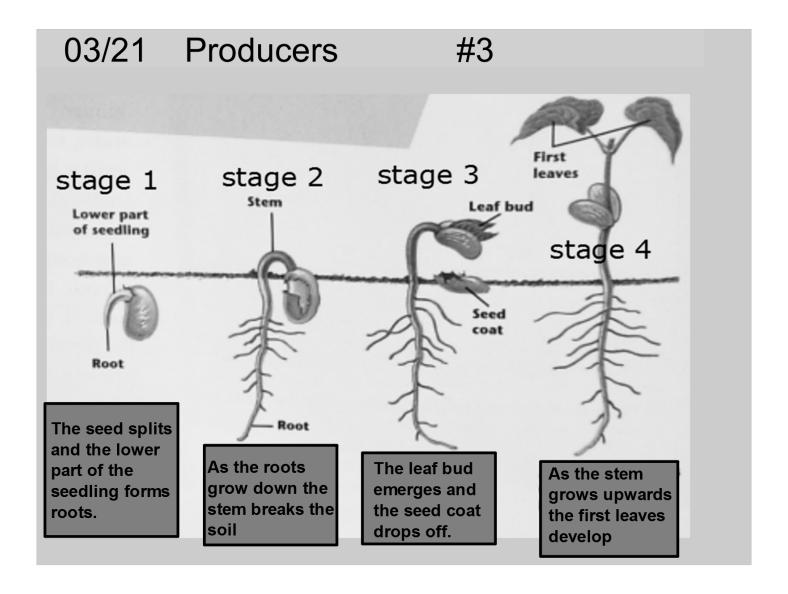
#3

#### Plan

-Controlled investigation

In your journal list out the things (ingredients) that plants need to make food.

Exit goal
Write up the investigation to the data table.



#3

With sun, water, and soil the plant will....

- a. Not sprout
- b. Sprout and then die
- c. sprout and continue to grow

#3

With sun and water, but no soil the plant will....

- a. Not sprout
- b. Sprout and then die
- c. sprout and continue to grow

#3

With sun and soil, but no water the plant will....

- a. not sprout
- b. Sprout and then die
- c. sprout and continue to grow

#3

With water and soil but no sun the plant will....

- a. Not sprout
- b. Sprout and then die
- c. sprout and continue to grow

How could we design an investigation to test these ideas?

How would we focus the question?

### **Producer investigation:**

Question: How will \_\_\_\_\_ affect plant growth?

(sun, water, air(co<sub>2</sub>), soil (nurtients)

Hypothesis: If there is no\_\_\_\_\_ the plant

will \_\_\_\_\_because\_\_\_\_

Variables: MV: \_\_\_\_\_

RV: Average Height

**CV:** Air (CO2), \_\_\_\_\_, \_\_\_\_,

\_\_\_\_

Materials: 200 ml Soil Cotton balls.

**Diagram** 

**Procedure** 

#3

Diagram
(Label as per your group)



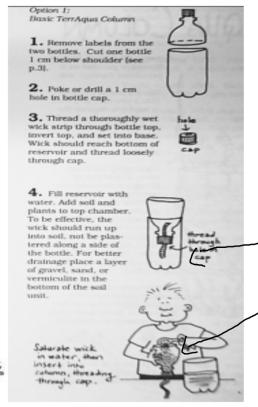
?

#### **Procedure**



0	3/21	Producers			#3		
<u>Data Tables</u>							
Control (sun, water, & soil)				No			
Date	Average Height (cm)	Observations (Color, strength, shape, leaf size and number)		Date	Average Height (cm)	Observations (Color, strength, shape, leaf size and number)	

### 4/12/10 Producers #5



Cut the bottle 1cm below the top of the label.

make a wick strip from 1m strand of string

Fill the reservoir with 500ml water

Add 250ml soil

Damp the soil with 50 ml water



-ecosystem project

Plan progress

-Producer invetigation

Learning target:

I will investigate what producers need to make their own food