

Name \_\_\_\_\_

## How Does Your Garden Grow? – Virtual Lab



**Purpose:** To review Experimental Design

**What to do:**

Go to the website: [http://www.unitedstreaming.com/videos/dsc/externalApplications/virtual\\_labs-es/Plants/index.html](http://www.unitedstreaming.com/videos/dsc/externalApplications/virtual_labs-es/Plants/index.html)

1. List the independent variables in this investigation:

\_\_\_\_\_

2. Decide which variable to change first: \_\_\_\_\_

3. What is the dependent variable in this investigation? \_\_\_\_\_

List at least two variables to control in this investigation:

\_\_\_\_\_

4. Write a testable question using the word EFFECT or AFFECT.

\_\_\_\_\_  
\_\_\_\_\_

5. Write hypothesis using an If, then statement

\_\_\_\_\_  
\_\_\_\_\_

6. Why is this a FAIR TEST?

\_\_\_\_\_  
\_\_\_\_\_

7. On the back of this page, fill in the data table as you conduct the investigation.

Title:					
Trial	Soil	Water	Light	Number of Tomatoes per plant	Tomato Size
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Why did we do multiple trials? \_\_\_\_\_

What can you conclude from your inferences? Write a few sentences (use complete ones!) to describe the results of this investigation.

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