

Class \_\_\_\_\_

Name \_\_\_\_\_

Lab Section-Ecology- Living Things

Date \_\_\_\_\_

**Problem:** What effect does the \_\_\_\_\_ have on  
(independent variable)  
\_\_\_\_\_  
?  
(dependent variable)

**Materials:** 3 TickleMe Plant™ “Control Group” seeds and 3 TickleMe Plant “Experimental Group” seeds (scientific name=Mimosa pudica), one flower pot for each lab partner, soil, plastic trays, pencil with point, permanent markers, masking tape

Procedure:

1. Using your permanent marker, **mark the date** you begin the experiment on the **side** of your flower pot, your name and section.
2. Mark one flower pot **E/ \_\_\_\_\_** = “Experimental Group”, and the other **C** = “Control Group.”
3. On the bottom of the flower pot place a piece of paper to cover the holes. (This will prevent the soil from going out the bottom).
4. Place soil in each flower pot so that the soil level is ½ inch below the top of the flower pot.
5. Water the soil over a tray until water starts coming out the bottom of the flower pot.
6. Using your pencil, make three 1/8 inch deep holes on the top surface of the soil in each flower pot.
7. Carefully place each of the plain “Control Group” seeds in each of the holes of your “Control Group” flower pot.
8. Now gently cover holes containing the seeds with the soil.
9. Gently water your TickleMe Plant seeds.
10. Place your “Control Group” seed flower pots in the tray marked control group for your class!
11. Carefully place each of the seeds that you experimented with or manipulated by \_\_\_\_\_ the seed, in each of the holes of your “Experimental Group” flower pot.
12. Now gently cover holes containing the seeds with the soil.
13. Gently water your TickleMe Plant seeds.
14. Place your “Experimental Group” flower pots in the tray marked control group for your class!
15. Grow all your TickleMe Plants under the same conditions.
16. Complete the “Create Your Own Experiment Form.”

## Your Individual Results

### I.V. Date of Sprout (Days After Planting)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Control (# of sprouts)																		
Experimental <hr/> (# of sprouts)																		

## The Class Results

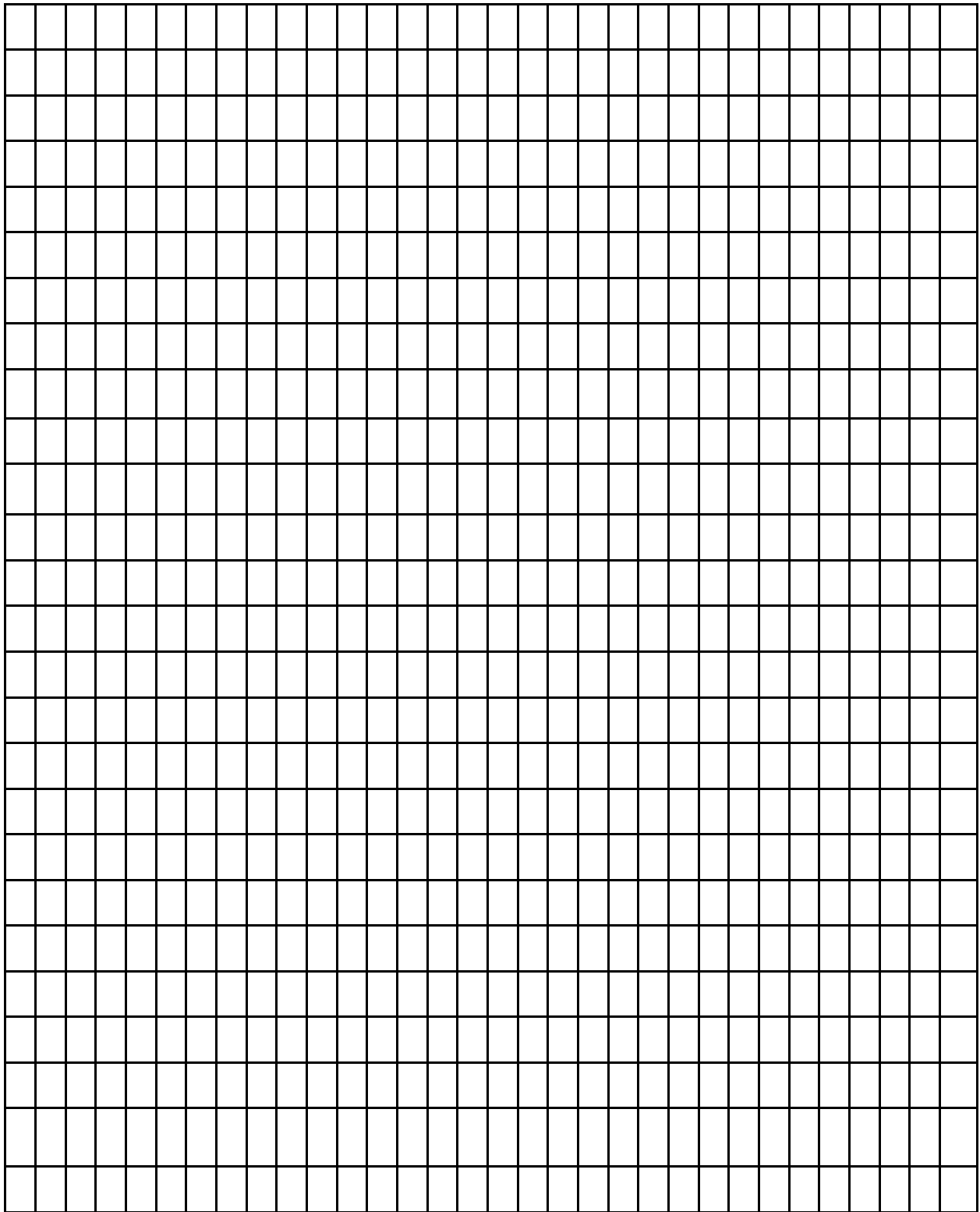
### I.V. Date of Sprout (Days After Planting)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Control (# of sprouts)																		
Experimental <hr/> (# of sprouts)																		

Problem Statement: The Effect of \_\_\_\_\_ on \_\_\_\_\_.

Number of Sprouts (D.V.)



→  
Days  
(I.V.)

Control = Blue

Experimental = Red