PLANT EXPERIMENT

This is only for the readers of fine print. Once this plant is big enough what will it grow in order to reproduce? Draw it in the

- 1. What type of seed(s) did you plant?
- 2. Does it have 2 halves or is it one piece?

CAREFULLY UNROLL YOUR PAPER TOWEL

- 3. What kind of roots do you see? (fibrous or taproot?)
- 4. What are the tiny things attached to the roots?
- 5. Why are those tiny things there? (What do they do for the plant?)
- 6. What direction did your roots grow?
- 7. What direction did your shoots grow?



- 8. Which part of your plant demonstrates phototropism?
- 9. Which part of your plant demonstrates gravitropism?
- 10. Is your plant a dicot or a monocot? How do you know? (2pts)
 1
 2
- 11. What color are the roots?
- 12. Why aren't the roots green?

USE A SCALE AND A RULER TO FILL IN THE CHART BELOW

	WEIGHT IN GRAMS	HEIGHT IN CM	COLOR
SEED			
YOUNG PLANT			

13. How many more grams does your young plant have compared to when it was a seed?

- 14. Are there more atoms in the seed or the young plant?
- 15. Where did all those atoms come from? (2 points)
- 16. What process allowed the young plant to gain all that mass?
- 17. Write the formula for this process
- 18. What is it called when you grow a plant without any soil?



26(7)

ure. Extra credit