

Name
Date
Period

Experimental Design
School Tube Video Questions

1. What is the problem with the basil plants?
2. What is the testable question?
3. What are the factors that are affecting the plant?
4. What is a variable?
5. Which variables are being eliminated in the investigation?
6. Which variable is going to be tested?
7. What two questions are being asked about the plant?
8. What is the independent variable?
9. What is the dependent variable?
10. What is a hypothesis?
11. What are the three words included in a hypothesis statement?

12. Write the hypothesis statement.
13. How many basil plants are being tested?
14. How many grams of fertilizer are given to each plant?
15. How much fertilizer does the control plant contain?
16. What are the controlled variables?
17. What is the title of the graph?
18. What is the title of the Y axis?
19. What is the title of the X axis?
20. What two things are done with the graph?
21. Was the hypothesis supported?
22. What 3 questions does analyzing data answer?
23. What does the data suggest?