

Name \_\_\_\_\_ hour \_\_\_\_\_ Study Guide

Label the step being described

- \_\_\_\_\_ A. Summary of the experiment  
\_\_\_\_\_ B. An educated guess or prediction  
\_\_\_\_\_ C. Asks why, how, or what  
\_\_\_\_\_ D. Tests the hypothesis  
\_\_\_\_\_ E. Uses graphs or charts and averages to compare

2. Which step uses an if/then statement (If I do this/then this will happen)?

3. Which step is your hypothesis accepted or rejected? \_\_\_\_\_

4. How many variables or factors can be changed in an experiment? \_\_\_\_\_

5. If a variable is the factor that is changed, what are the factors that stay the same called? \_\_\_\_\_

6. The \_\_\_\_\_ variable is the part changed and the \_\_\_\_\_ variable is what happens as the result of the change.

8. Identify the independent, dependent, and control in each scenario.

a. Plants that received the most water grew the tallest.

I \_\_\_\_\_ D \_\_\_\_\_ C \_\_\_\_\_

b. Different aged children solved the same puzzle at different speeds.

I \_\_\_\_\_ D \_\_\_\_\_ C \_\_\_\_\_

9.) 12, 14, 16, 16, 16, 18, 20 mean \_\_\_\_\_ median \_\_\_\_\_ mode \_\_\_\_\_ range \_\_\_\_\_

10.) 23, 25, 28, 32, 32, mean \_\_\_\_\_ median \_\_\_\_\_ mode \_\_\_\_\_ range \_\_\_\_\_