



Name \_\_\_\_\_

Date \_\_\_\_\_ Pd \_\_\_\_\_

Score \_\_\_\_\_/30 points

# Science Practices Crossword

## Ask a Question



### Publish Findings

### Run an Experiment

12 11 10 9 8 7 6 5 4 3 2 1

14 15 16 17 18 19 20 21 22 23

16 16

### Do Research

### Draw a Conclusion



## Down

1. A scientific explanation for an observation that can be tested through experimentation or observation.
2. A variable that reflects other factors within a scientific experiment.
3. To review experimental data for the purpose of drawing conclusions.
4. A review of information related to the topic of an experiment.
5. A physical, mathematical, or conceptual representation of an idea, event, or process.
6. An experiment in which only one variable is tested at a time and a control group exists.
15. Each time an experiment is performed.
16. The act of conducting a controlled test or investigation.
17. Credit given to the original source of information.
18. To use the steps of the scientific method in order to find the answer to a question.
24. A fact or situation that is observed to exist or happen, especially one whose cause or explanation is in question.

## Across

7. The final reasoned judgment based upon data collected within a scientific experiment.
8. A forecast of what should happen if the hypothesis is correct. (an if/then statement).
9. The number of test subjects in an experiment.
10. Noticing and describing events in an orderly way. An act of viewing, noticing, and examining.
11. English philosopher who promoted the practice of removing personal bias and using experimentation to answer questions.
12. The variable this is observed and changes in response to the independent variable. (Effect)
13. Observing events without bias, emotions or false beliefs
14. An experiment in which there is no control group.
19. The variable that is deliberately changed in a scientific experiment. (Cause)
20. Factual information collected and used as a basis for reasoning, discussion, or calculation within a scientific experiment.
21. To share the results of an experiment with others.
22. A tendency to prefer one thing over another in a way that prevents objectivity.
23. The outcome of an experiment.