

Experimental Design Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

A crossword puzzle grid with 10 numbered starting points for words. The grid is composed of white squares for letters and black squares for empty space. The numbers are: 1 (top left), 2 (top center), 3 (top left-center), 4 (top left-center), 5 (top center), 6 (top left-center), 7 (top left-center), 8 (top center), 9 (top left-center), and 10 (top left-center).

ACROSS

1. A factor deliberately changed by the investigator
3. Ordered steps used to carry out an investigation.
4. Factor that changes alongside the tested factor and complicates interpretation
5. Method that places participants into groups by chance
7. Method that gives population members a chance of selection

ACROSS (continued)

- Another run of a test under the same planned conditions
- Condition kept the same when groups are compared

DOWN

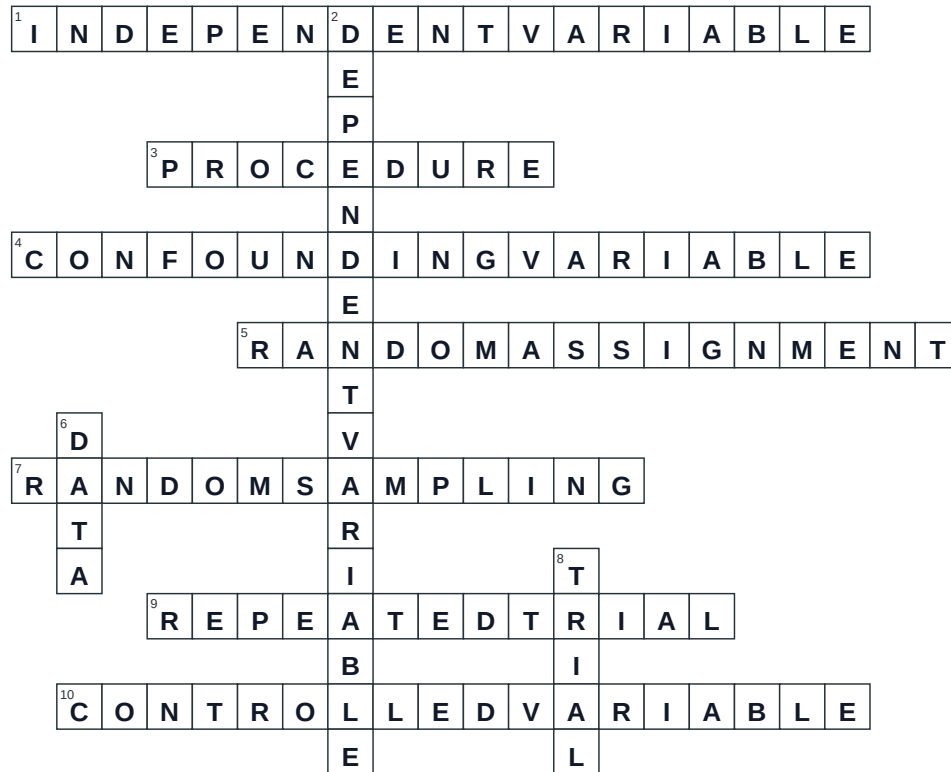
2. The outcome measured in response to a change
6. Recorded observations and measurements from an investigation.
8. One repetition of an experimental procedure.

Experimental Design Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Independent Variable
3. Procedure
4. Confounding Variable
5. Random Assignment
7. Random Sampling
9. Repeated Trial

ACROSS (continued)

10. Controlled Variable

DOWN

2. Dependent Variable
6. Data
8. Trial

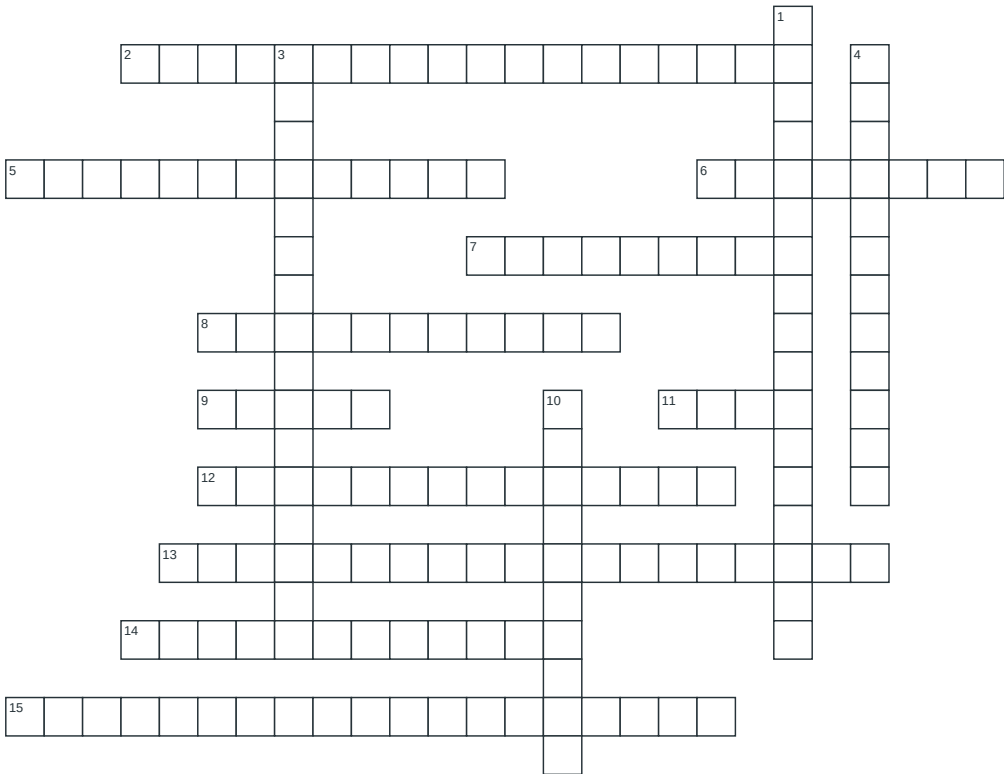
Experimental Design Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

2. Condition kept the same when groups are compared
5. Another run of a test under the same planned conditions
6. Condition kept the same across comparison groups.
7. Ordered steps used to carry out an investigation.
8. Information gathered with senses or scientific instruments.
9. One repetition of an experimental procedure.
11. Recorded observations and measurements from an investigation.
12. Method that gives population members a chance of selection

ACROSS (continued)

13. A factor deliberately changed by the investigator
14. Describes data expressed as numbers or measurements.
15. Factor that changes alongside the tested factor and complicates interpretation

DOWN

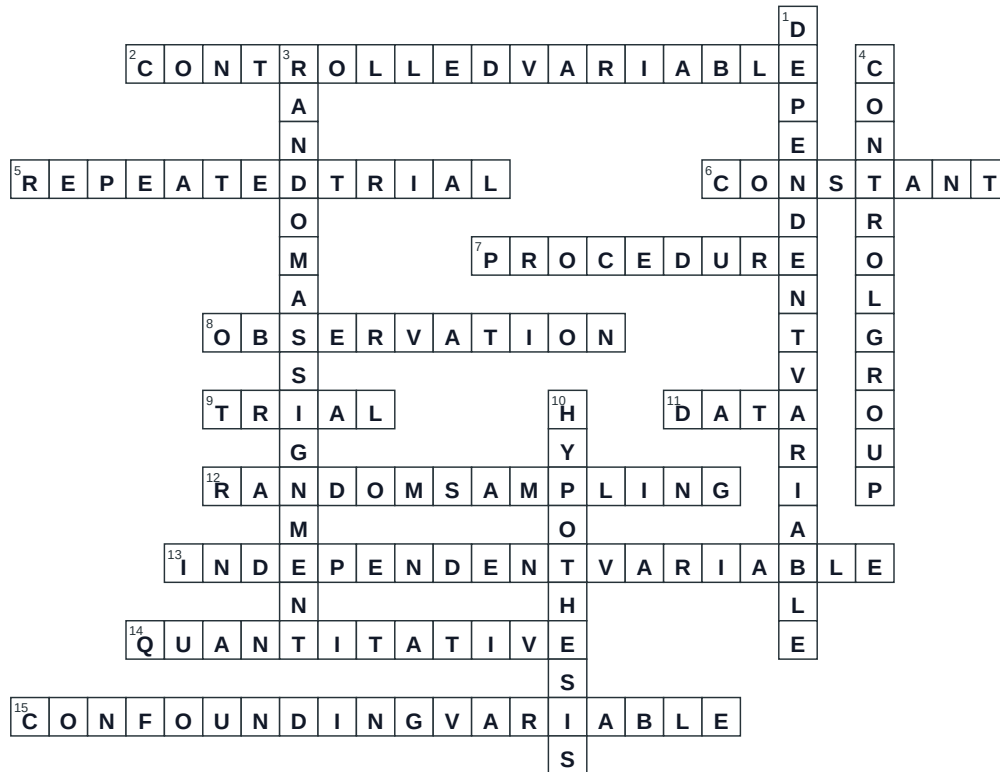
1. The outcome measured in response to a change
3. Method that places participants into groups by chance
4. Comparison group that does not receive the tested treatment.
10. Testable proposed explanation or prediction.

Experimental Design Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. Controlled Variable
5. Repeated Trial
6. Constant
7. Procedure
8. Observation
9. Trial
11. Data
12. Random Sampling

ACROSS (continued)

13. Independent Variable
14. Quantitative
15. Confounding Variable

DOWN

1. Dependent Variable
3. Random Assignment
4. Control Group
10. Hypothesis

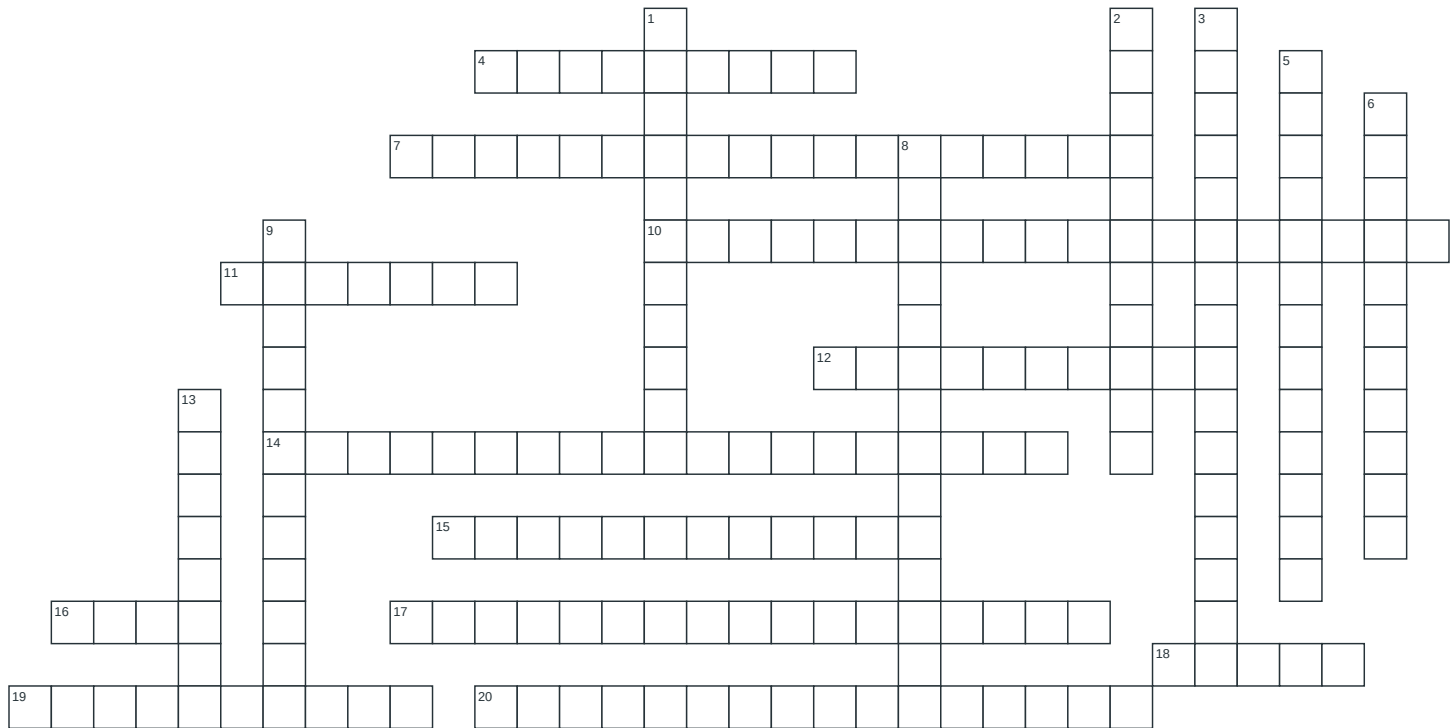
Experimental Design Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

4. Ordered steps used to carry out an investigation.
7. Condition kept the same when groups are compared
10. Factor that changes alongside the tested factor and complicates interpretation
11. Data value unusually far from the rest of a set.
12. Number of individuals or observations included in a study.
14. A factor deliberately changed by the investigator
15. Comparison group that does not receive the tested treatment.
16. Recorded observations and measurements from an investigation.
17. The outcome measured in response to a change
18. One repetition of an experimental procedure.
19. Testable proposed explanation or prediction.
20. Method that places participants into groups by chance

DOWN

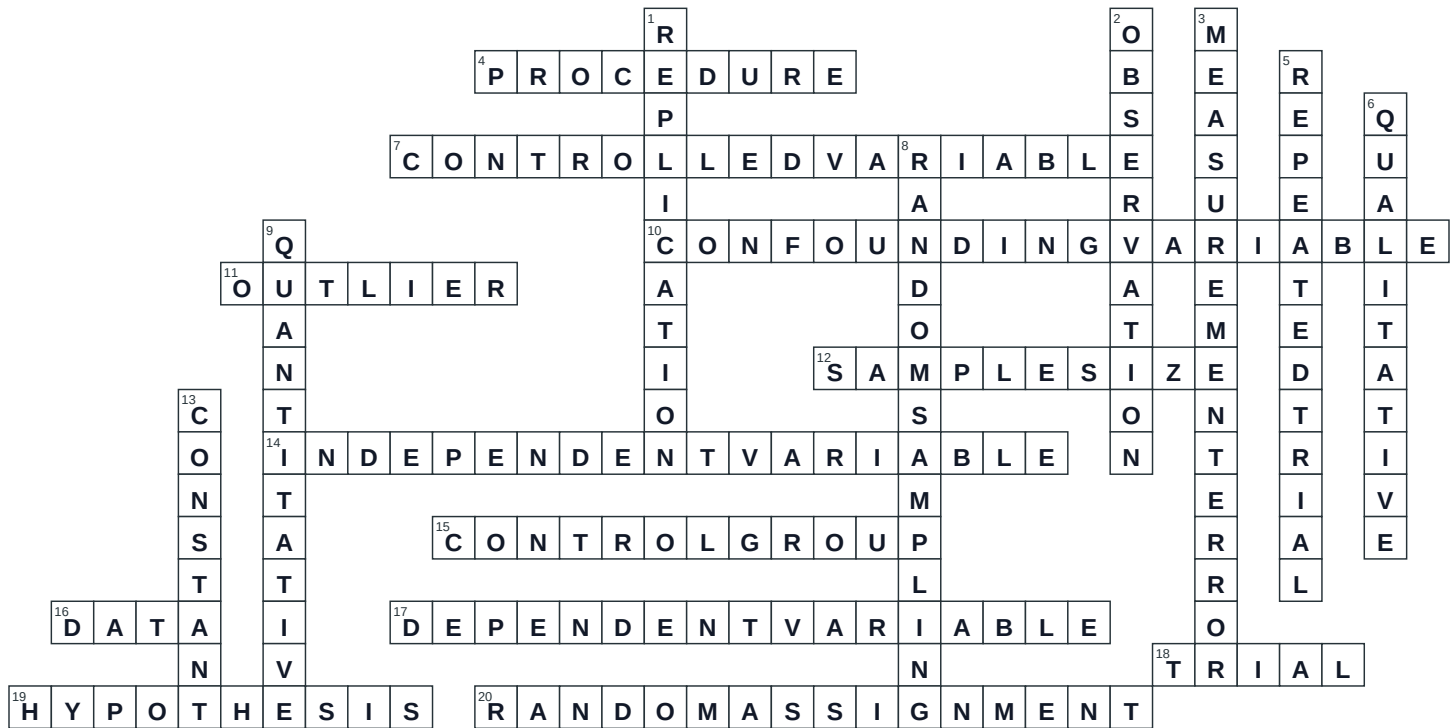
1. Repeating an investigation to check whether results are consistent.
2. Information gathered with senses or scientific instruments.
3. Difference between a measured value and the quantity's true value.
5. Another run of a test under the same planned conditions
6. Describes observations about qualities rather than numerical amounts.
8. Method that gives population members a chance of selection
9. Describes data expressed as numbers or measurements.
13. Condition kept the same across comparison groups.

Experimental Design Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

4. Procedure
7. Controlled Variable
10. Confounding Variable
11. Outlier
12. Sample size
14. Independent Variable
15. Control Group
16. Data
17. Dependent Variable
18. Trial
19. Hypothesis

ACROSS (continued)

20. Random Assignment

DOWN

1. Replication
2. Observation
3. Measurement Error
5. Repeated Trial
6. Qualitative
8. Random Sampling
9. Quantitative
13. Constant