

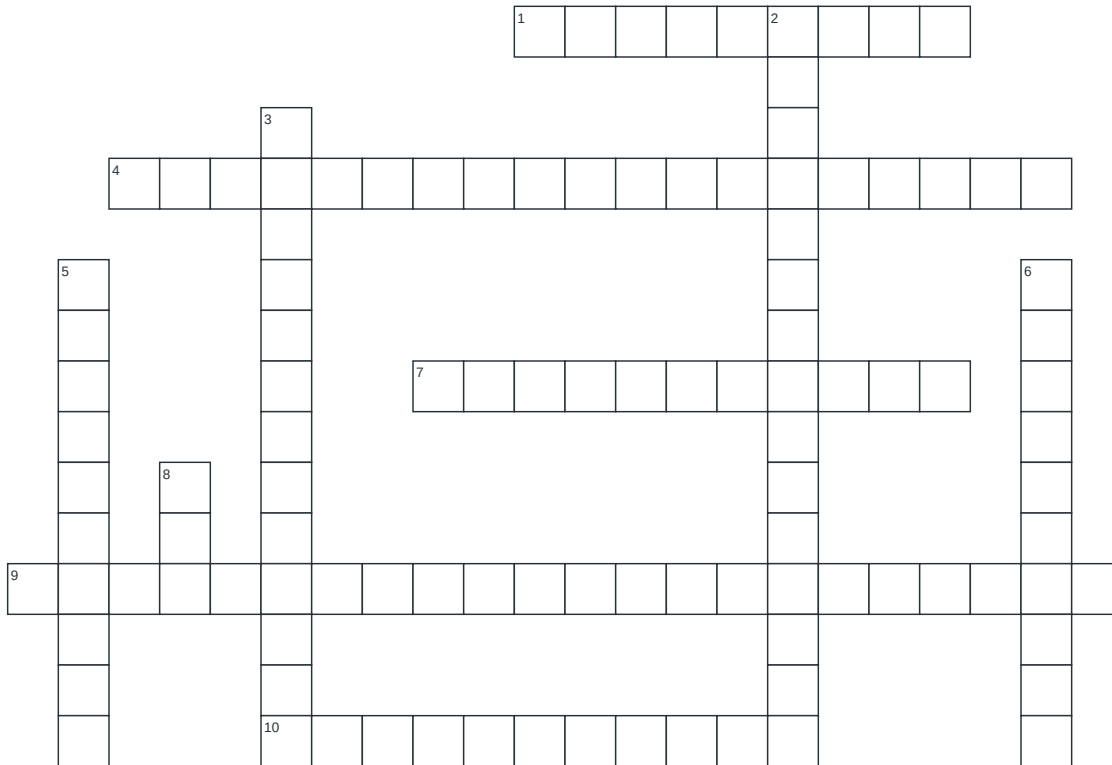
Uncertainty and Measurement Error Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. Closeness of agreement among repeated measurements.
4. Expresses uncertainty as a fraction or percentage of the value
7. Information gathered with senses or scientific instruments.
9. A quantified range or dispersion associated with a measurement result
10. Unpredictable variation among repeated measurements

DOWN

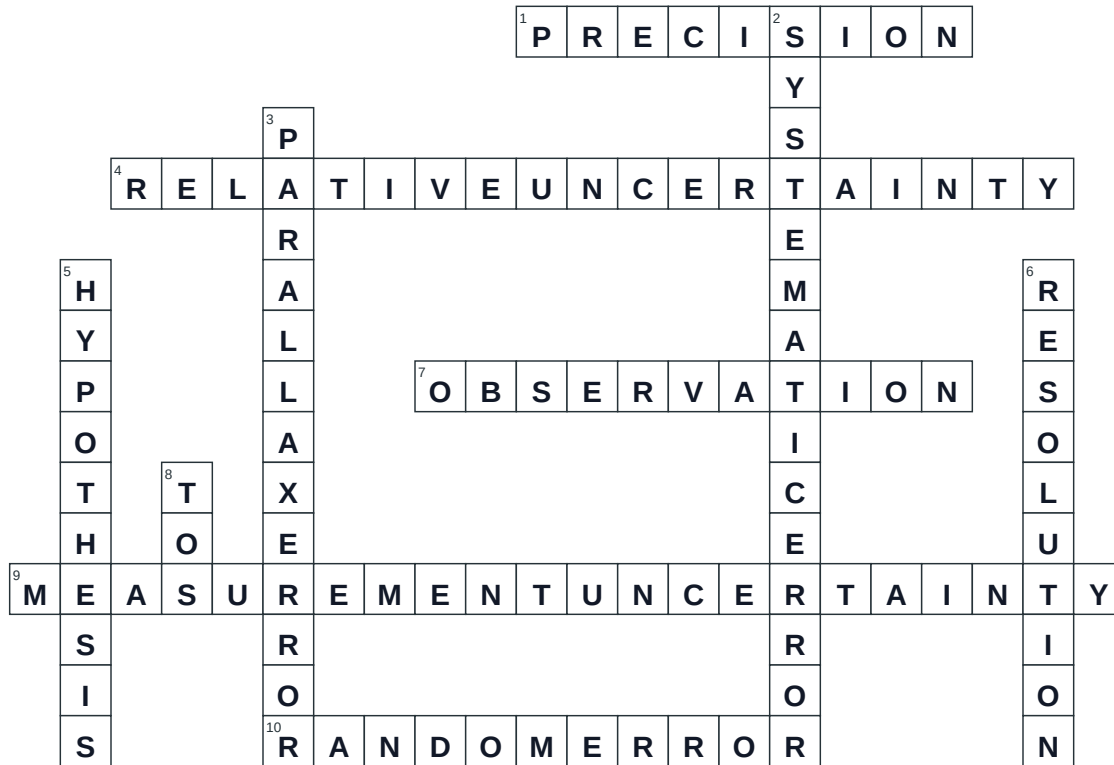
2. An error that shifts results consistently or predictably
3. A reading error caused by viewing a scale from an unsuitable angle
5. Testable proposed explanation or prediction.
6. The smallest change the instrument can distinguish
8. A simplified result is 10.0 ± 0.2 s. Which interval corresponds to that notation

Uncertainty and Measurement Error 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. Precision
4. Relative Uncertainty
7. Observation
9. Measurement Uncertainty
10. Random Error

DOWN

2. Systematic Error
3. Parallax Error
5. Hypothesis
6. Resolution
8. 9.8 To 10.2 S

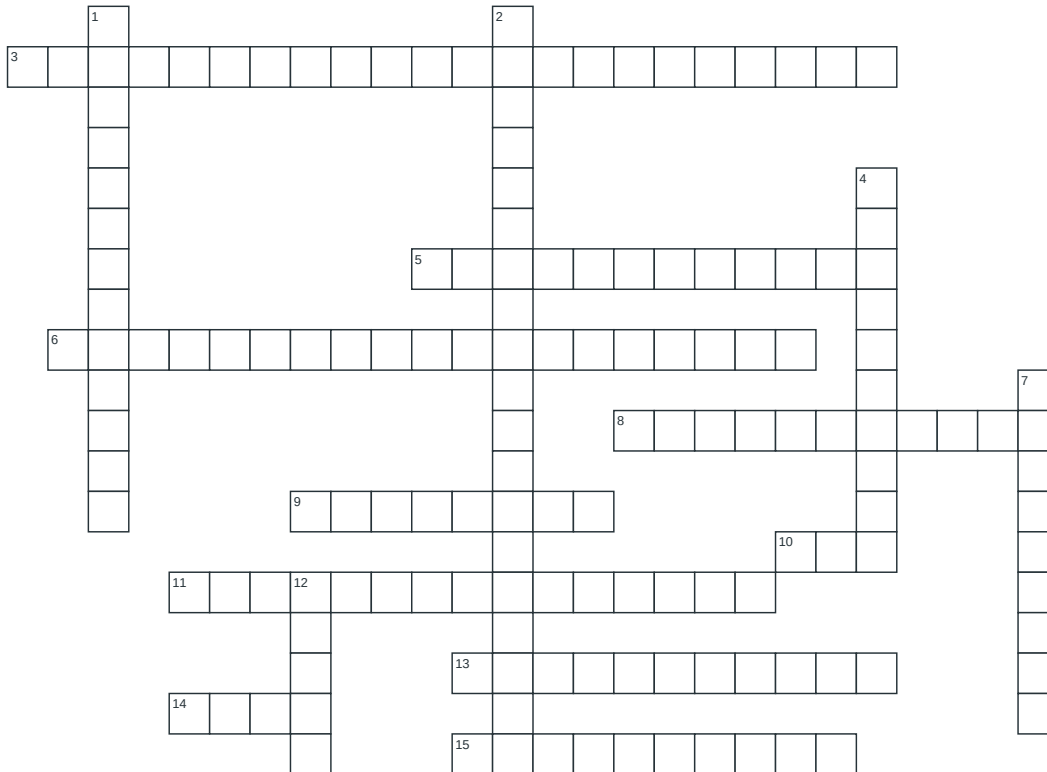
Uncertainty and Measurement Error Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

3. A quantified range or dispersion associated with a measurement result
5. Comparison group that does not receive the tested treatment.
6. Expresses uncertainty as a fraction or percentage of the value
8. Unpredictable variation among repeated measurements
9. Condition kept the same across comparison groups.
10. A simplified result is 10.0 ± 0.2 s. Which interval corresponds to that notation
11. An error that shifts results consistently or predictably

ACROSS (continued)

13. Information gathered with senses or scientific instruments.
14. Recorded observations and measurements from an investigation.
15. The smallest change the instrument can distinguish

DOWN

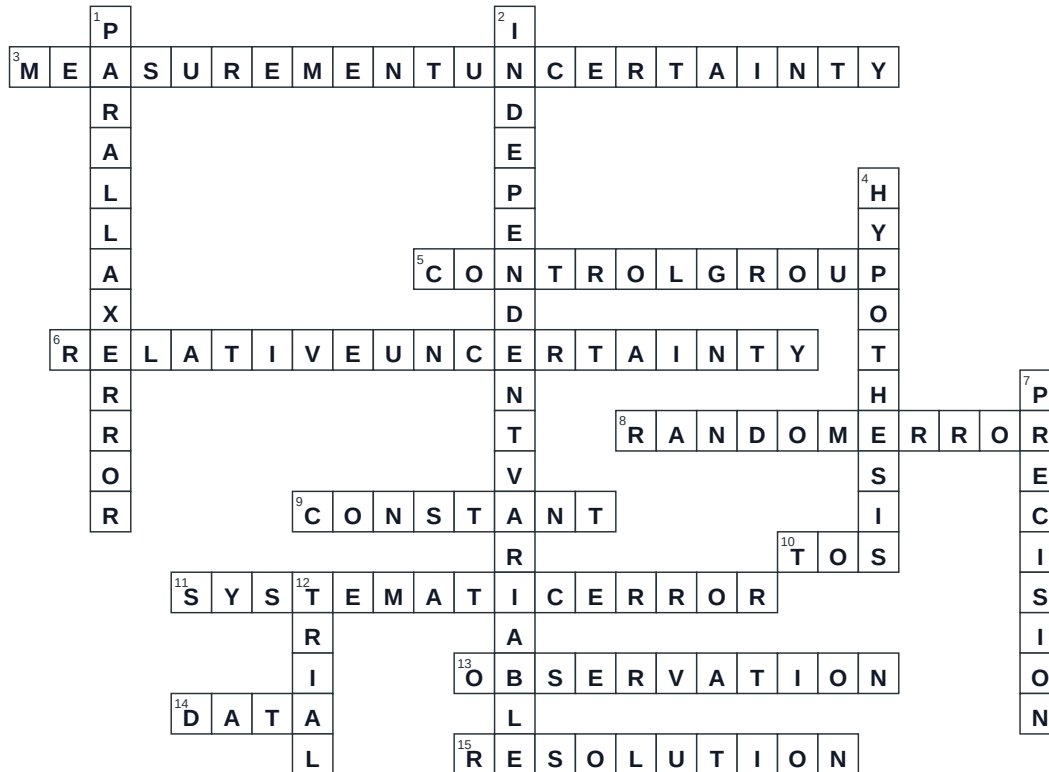
1. A reading error caused by viewing a scale from an unsuitable angle
2. Factor deliberately changed by the investigator.
4. Testable proposed explanation or prediction.
7. Closeness of agreement among repeated measurements.
12. One repetition of an experimental procedure.

Uncertainty and Measurement Error Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Measurement Uncertainty
5. Control Group
6. Relative Uncertainty
8. Random Error
9. Constant
10. 9.8 To 10.2 S
11. Systematic Error
13. Observation

ACROSS (continued)

14. Data
15. Resolution

DOWN

1. Parallax Error
2. Independent Variable
4. Hypothesis
7. Precision
12. Trial

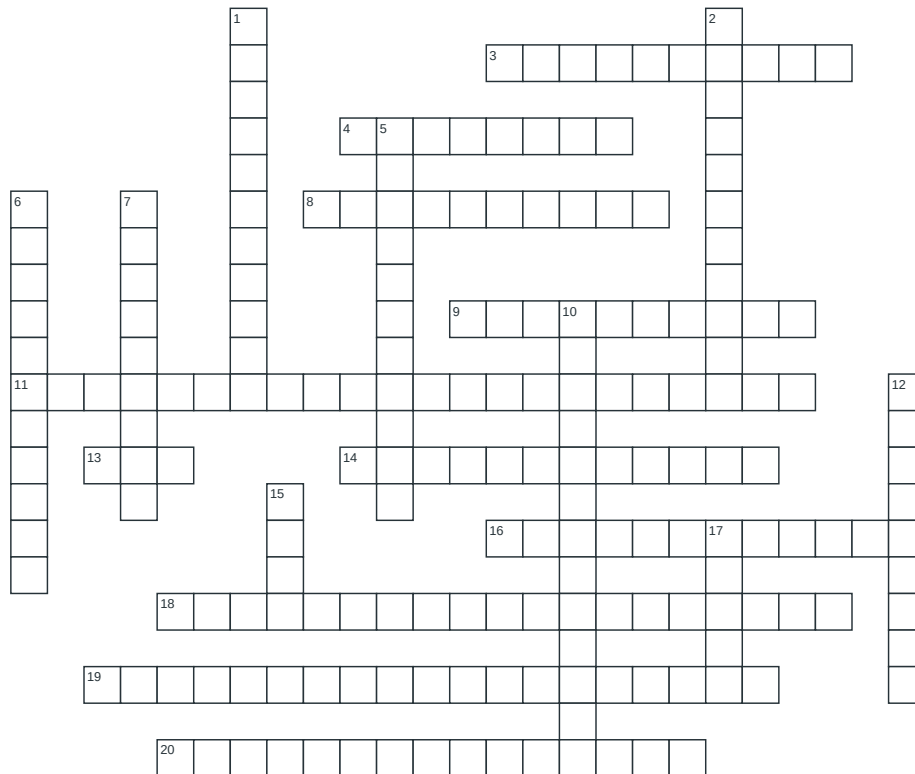
Uncertainty and Measurement Error Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. Testable proposed explanation or prediction.
4. Condition kept the same across comparison groups.
8. The smallest change the instrument can distinguish
9. Number of individuals or observations included in a study.
11. A quantified range or dispersion associated with a measurement result
13. A simplified result is 10.0 ± 0.2 s. Which interval corresponds to that notation
14. Comparison group that does not receive the tested treatment.
16. Describes data expressed as numbers or measurements.
18. Expresses uncertainty as a fraction or percentage of the value
19. Factor deliberately changed by the investigator.
20. An error that shifts results consistently or predictably

DOWN

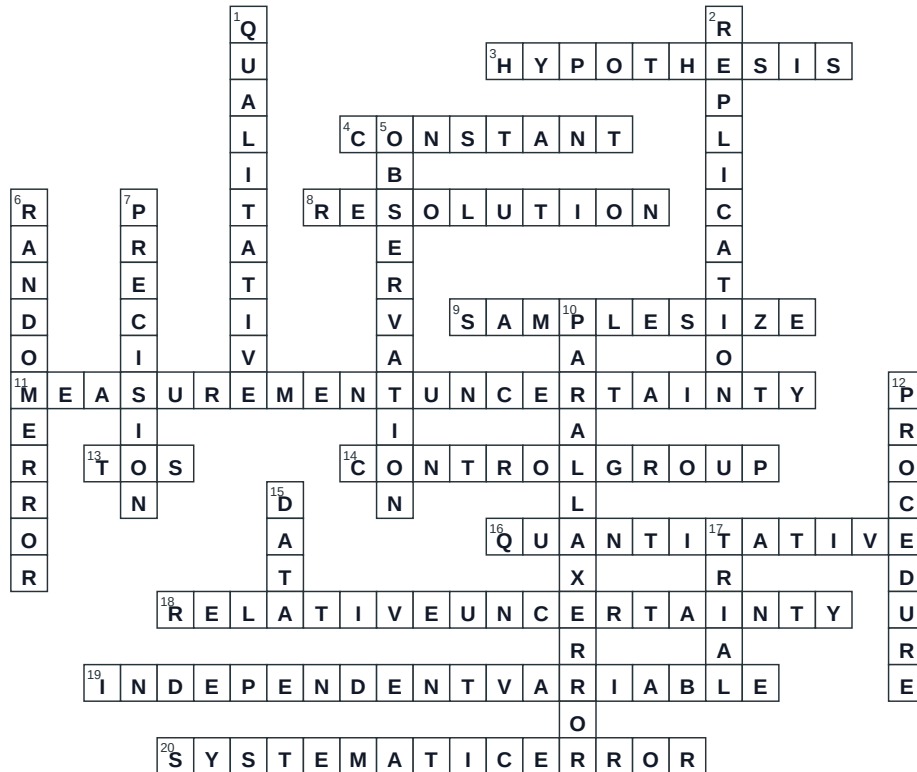
1. Describes observations about qualities rather than numerical amounts.
2. Repeating an investigation to check whether results are consistent.
5. Information gathered with senses or scientific instruments.
6. Unpredictable variation among repeated measurements
7. Closeness of agreement among repeated measurements.
10. A reading error caused by viewing a scale from an unsuitable angle
12. Ordered steps used to carry out an investigation.
15. Recorded observations and measurements from an investigation.
17. One repetition of an experimental procedure.

Uncertainty and Measurement Error Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Hypothesis
4. Constant
8. Resolution
9. Sample size
11. Measurement Uncertainty
13. 9.8 To 10.2 S
14. Control Group
16. Quantitative
18. Relative Uncertainty
19. Independent Variable
20. Systematic Error

DOWN

1. Qualitative
2. Replication
5. Observation
6. Random Error
7. Precision
10. Parallax Error
12. Procedure
15. Data
17. Trial