

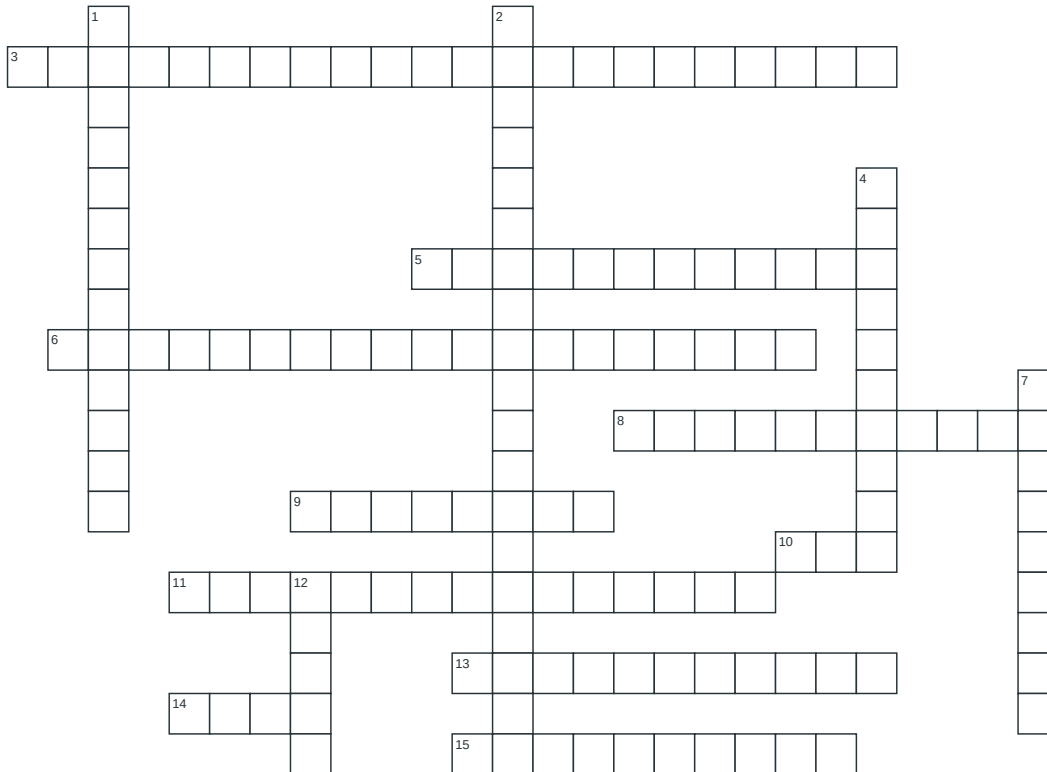
Uncertainty and Measurement Error Crossword

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

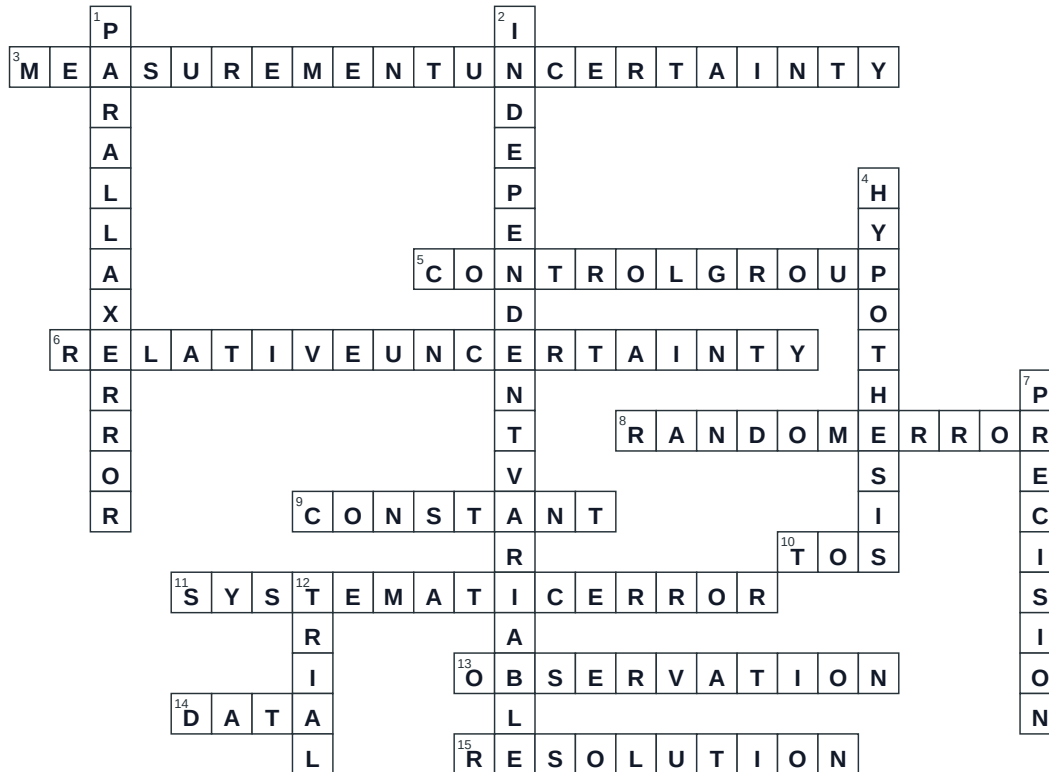
1. A reading error caused by viewing a scale from an unsuitable angle
2. Factor deliberately changed by the investigator.
4. Testable proposed explanation or prediction.
7. Closeness of agreement among repeated measurements.
12. One repetition of an experimental procedure.

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