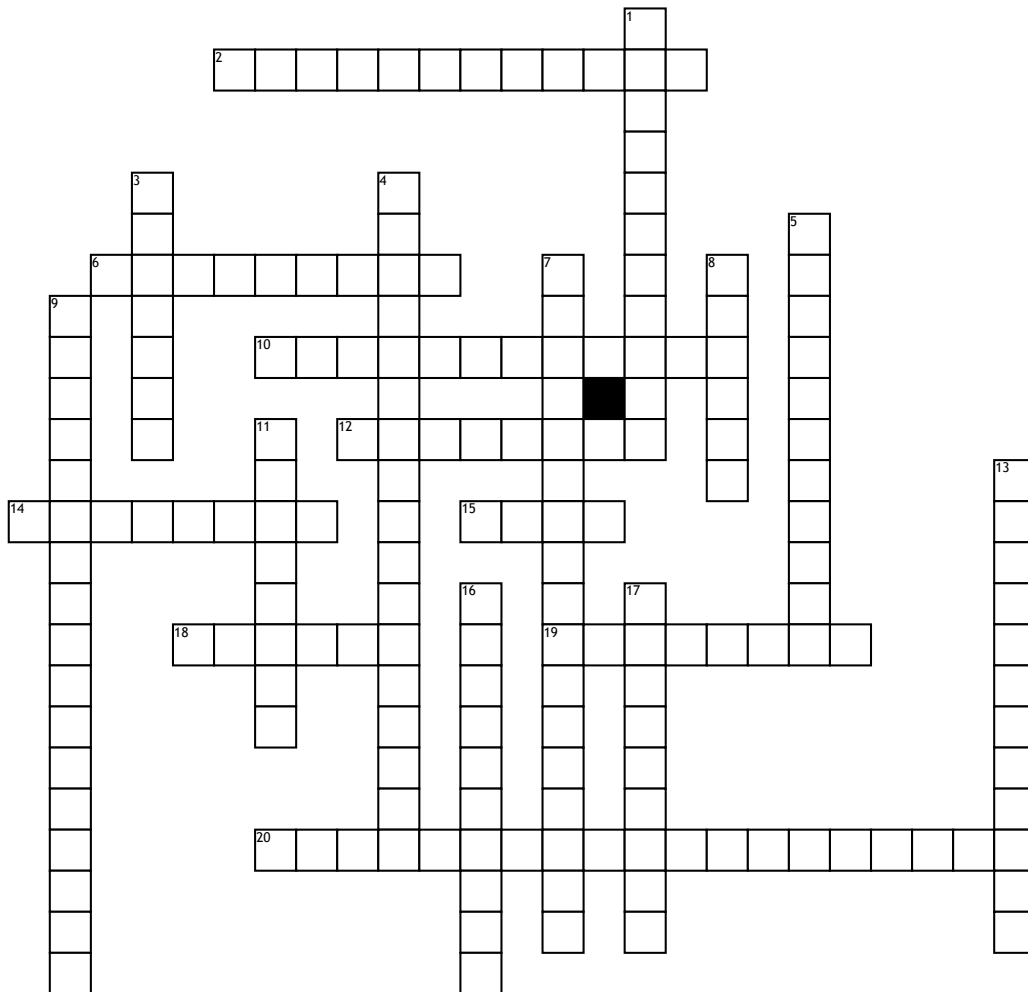


Scientific Method



Across

- 2. A group or subject in an experiment of which all variables are kept the same so others are measured against it.
- 6. Used to display categorical data; represents changes in numerical changes
- 10. Data based on numerical findings
- 12. Small glass tube used to hold samples of materials for lab use for experimentation
- 14. Used to display categorical data; represents percentages of numerical data
- 15. Facts or statistics gathered from experimentation
- 18. Used to measure liquids usually to the nearest 50 mL
- 19. A variable in an experiment that remains the same throughout

- 20. A variable in an experiment that the scientist deliberately changes (manipulated).

Down

- 1. Data drawn from the 5 senses
- 3. A systematically organized way of learning about or examining the natural world.
- 4. A variable in an experiment that the scientist observes for change or n (responding).
- 5. The first step to carrying out scientific processes; involves using at least 1 of the 5 senses.
- 7. Tall, thin cylinder used to measure liquids usually to the nearest mL
- 8. A widely accepted hypothesis that is well supported with continued research and experimentation.

- 9. A group or subject in an experiment that is tested by measuring responses to variables.

- 11. Used to display categorical data; represents differences between sets of numerical changes
- 13. International system of units; modern metric system used in scientific experiments and data analysis
- 16. A testable statement that relies on information gathered from observation and inferences.
- 17. Uses prior knowledge to figure something out or to develop a hypothesis.

Word Bank

- | | | | |
|-------------------|---------------------|--------------|-------------------|
| QUANTITATIVE | Independentvariable | LINEGRAPH | OBSERVATION |
| HYPOTHESIS | PIECHART | SIMEASURMENT | SCIENCE |
| BARGRAPH | CONSTANT | THEORY | EXPERIMENTALGROUP |
| BEAKER | INFERENCE | CONTROLGROUP | GRADUATEDCYLINDER |
| DEPENDENTVARIABLE | DATA | QUALITATIVE | TESTTUBE |