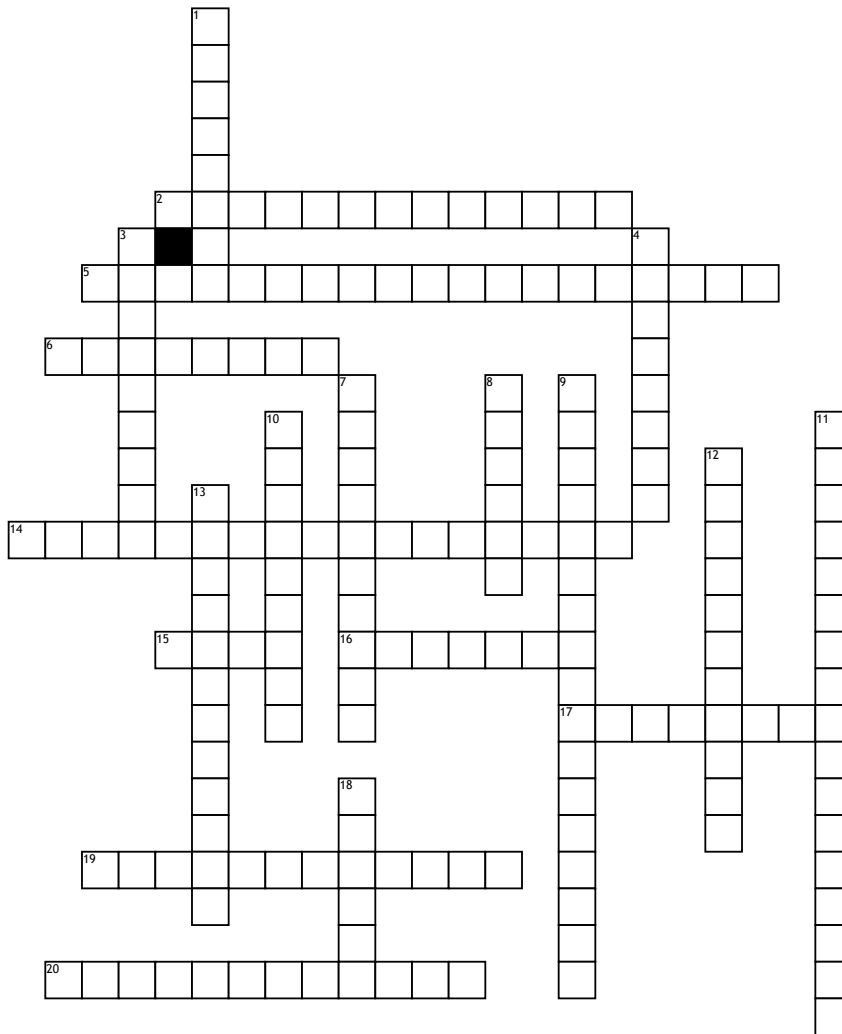


# Scientific Method



**Across**

- 2. Data drawn from the 5 senses
- 5. A variable in an experiment that the scientist deliberately changes (manipulated).
- 6. Used to display categorical data; represents percentages of numerical data
- 14. A group or subject in an experiment that is tested by measuring responses to variables.
- 15. Facts or statistics gathered from experimentation
- 16. A systematically organized way of learning about or examining the natural world.
- 17. A variable in a experiment that remains the same throughout
- 19. Data based on numerical findings

- 20. A group or subject in an experiment of which all variables are kept the same so others are measured against it.

**Down**

- 1. Small glass tube used to hold samples of materials for lab use for experimentation
- 3. Uses prior knowledge to figure something out or to develop a hypothesis.
- 4. Used to display categorical data; represents differences between sets of numerical changes
- 7. A testable statement that relies on information gathered from observation and inferences.
- 8. A widely accepted hypothesis that is well supported with continued research and experimentation

- 9. Tall, thin cylinder used to measure liquids usually to the nearest mL

- 10. Used to display categorical data; represents changes in numerical changes
- 11. reactioA variable in an experiment that the scientist observes for change or n (responding).
- 12. The first step to carrying out scientific processes; involves using at least 1 of the 5 senses.
- 13. International system of units; modern metric system used in scientific experiments and data analysis
- 18. Used to measure liquids usually to the nearest 50 mL

**Word Bank**

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