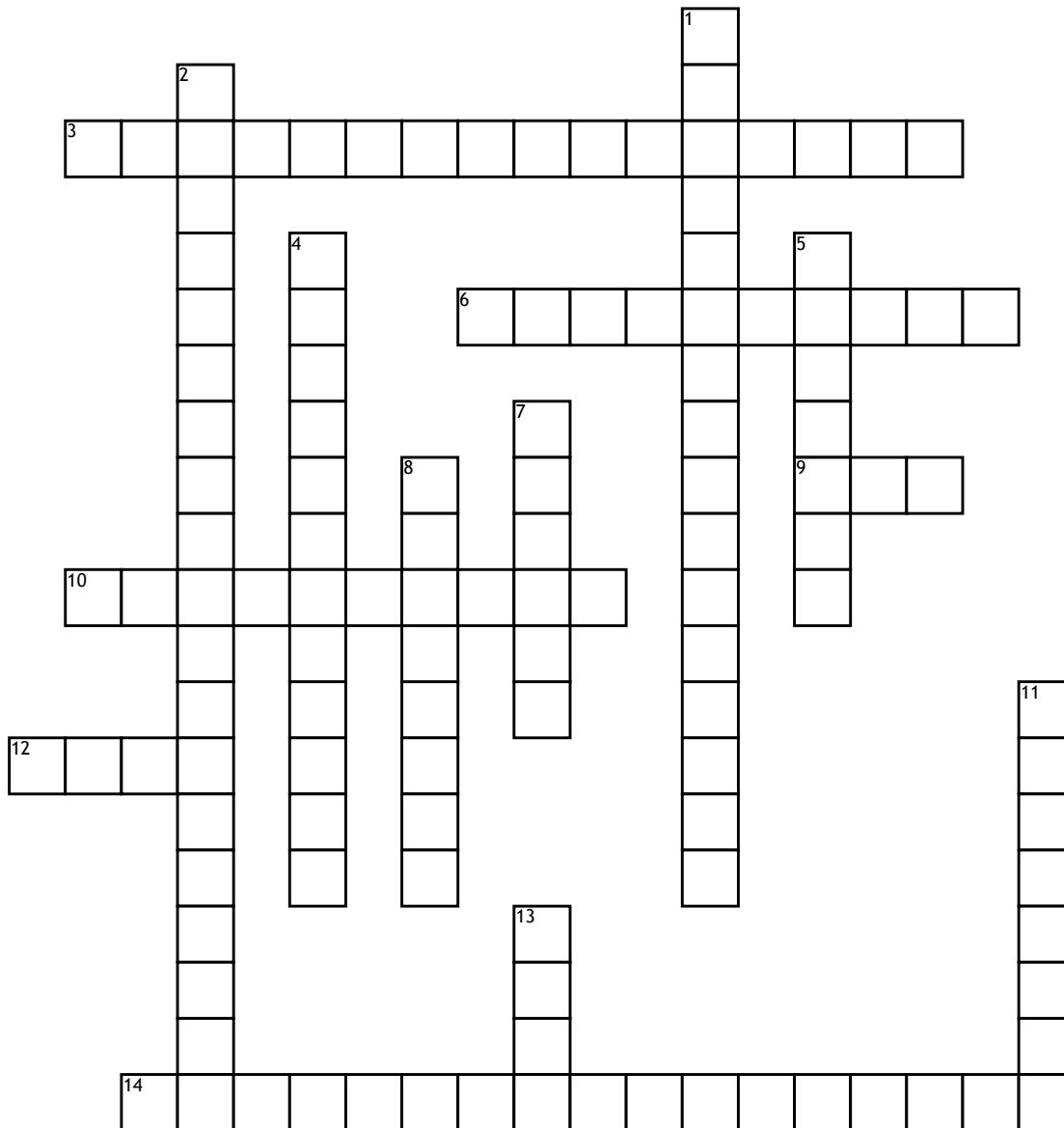


# Scientific Observation and Experimentation



**Across**

- 3. Any variable that does not change during an experiment.
- 6. A proposed explanation for a phenomenon.
- 9. A statement based on repeated experimental observations that describes some aspect of the universe.
- 10. A determination of whether a hypothesis should be accepted or rejected.
- 12. Facts, numbers, or values obtained in an experiment.

14. The variable being measured in the experiment.

**Down**

- 1. A sequence of steps followed in investigating natural phenomena.
- 2. The variable that is manipulated or changed by the researcher.
- 4. Test subjects assigned to not receive experimental treatment.
- 5. Statements that explain or interpret the data produced in an experiment.

7. An explanation of an aspect of the natural world that can be repeatedly tested through experimentation.

- 8. The organized investigation of questions raised by scientific theories and hypotheses.
- 11. Something that can be changed or altered during an experiment.
- 13. The value obtained by dividing the sum of several quantities by their number.