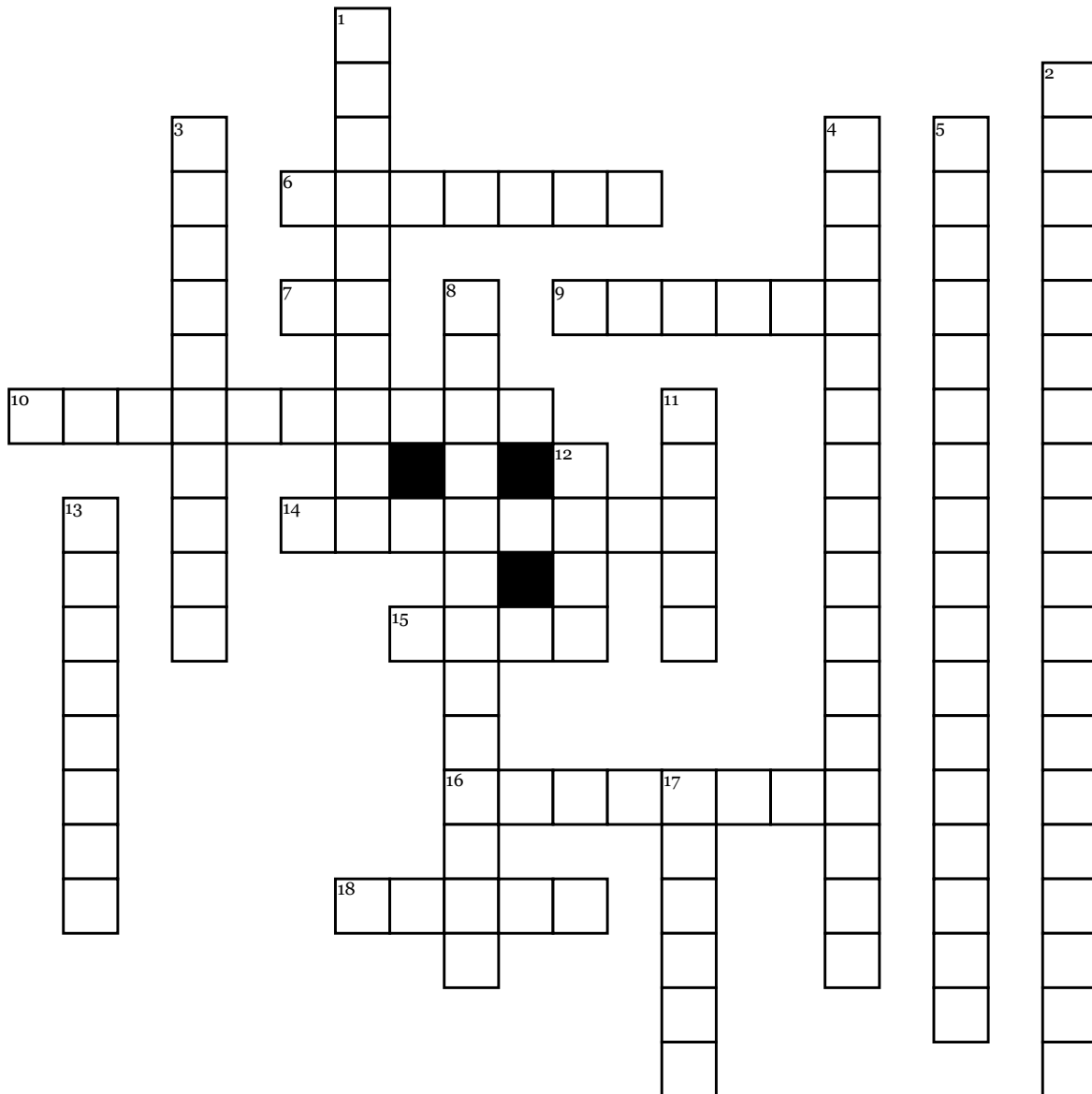


Chapter 1 Vocabulary



Across

- 6. Mass per unit volume of a material
- 7. The improved, universally accepted version of the metric system that is based on multiples of ten and includes the meter (m), Liter (L), and kilogram (kg)
- 9. Amount of space occupied by an object
- 10. Educated guess using what you know about what you observe
- 14. Exact, agreed-upon quantity used for comparison
- 15. Occurs when a scientist's expectations change how the results of an experiment are viewed
- 16. In an experiment, a variable that does not change when other variables change

- 18. Visual display of information or data that can provide a quick way to communicate a lot of information and allow scientists to observe patterns

Down

- 1. Organized procedure for testing a hypothesis; tests the effect of one thing on another under controlled conditions
- 2. Factor that, as it changes, affects the measure of another variable
- 3. Application of science to help people
- 4. Organized set of investigation procedures that can include stating a problem, forming a hypothesis, analyzing data, and drawing conclusions
- 5. Factor that changes as a result of changes in the other variables

- 8. Statement about what happens in nature that seems to be true all the time; does not explain why or how something happens

- 11. Can be used to represent an idea, object, or event that is too big, too small, too complex, or too dangerous to observe or test directly
- 12. Amount of matter in an object
- 13. Factor that causes a change in the results of an experiment
- 17. Explanation of things or events that is based on knowledge gained from many observations and investigations