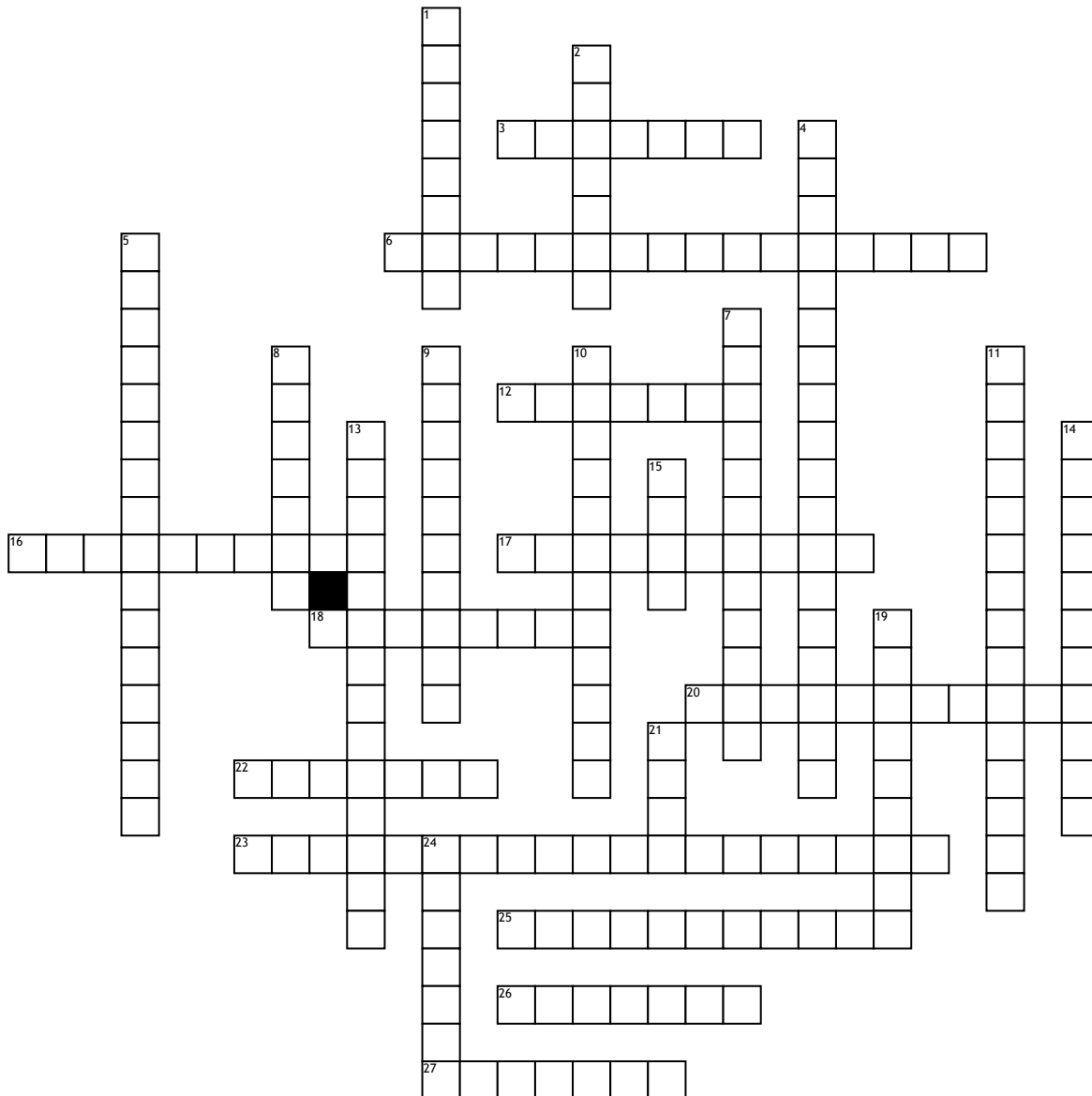


Inquiry and Measurement



Across

3. part of an experiment that does not change and is used for comparison
 6. a way of answering questions about the world we live in
 12. say in advance what will happen
 16. an answer to a question that follows what you already know and can be tested
 17. judgement or opinion formed as a result of analyzing experimental data
 18. the factor being tested in a scientific experiment
 20. combination of base units
 22. significant digits in a number
 23. the technique of converting between units

25. a piece of information gathered using our senses; sight, hearing, touch and smell

26. examine in detail
 27. brief statement of main points

Down

1. indication of how close a measurement is to its accepted value
 2. mass of a substance divided by its volume
 4. a way of writing very large or very small numbers
 5. a fraction equal to 1 used to convert one unit to another unit
 7. the standard system of measurement used by scientists
 8. why something happens
 9. capable of being measured

10. a way to compare a measurement with its accepted value

11. number of representative particles in one mole; equal to 6.02×10^{23}
 13. one action producing a certain response to the action in the form of another event
 14. characteristic of quality
 15. quantity of a substance that has mass in grams numerically equal to its formula mass; equal to 6.02×10^{23}
 19. quality of being precise; exactness or accuracy; getting the same measurement every time
 21. information gathered during a scientific experiment
 24. system of units used in the metric system of measurement