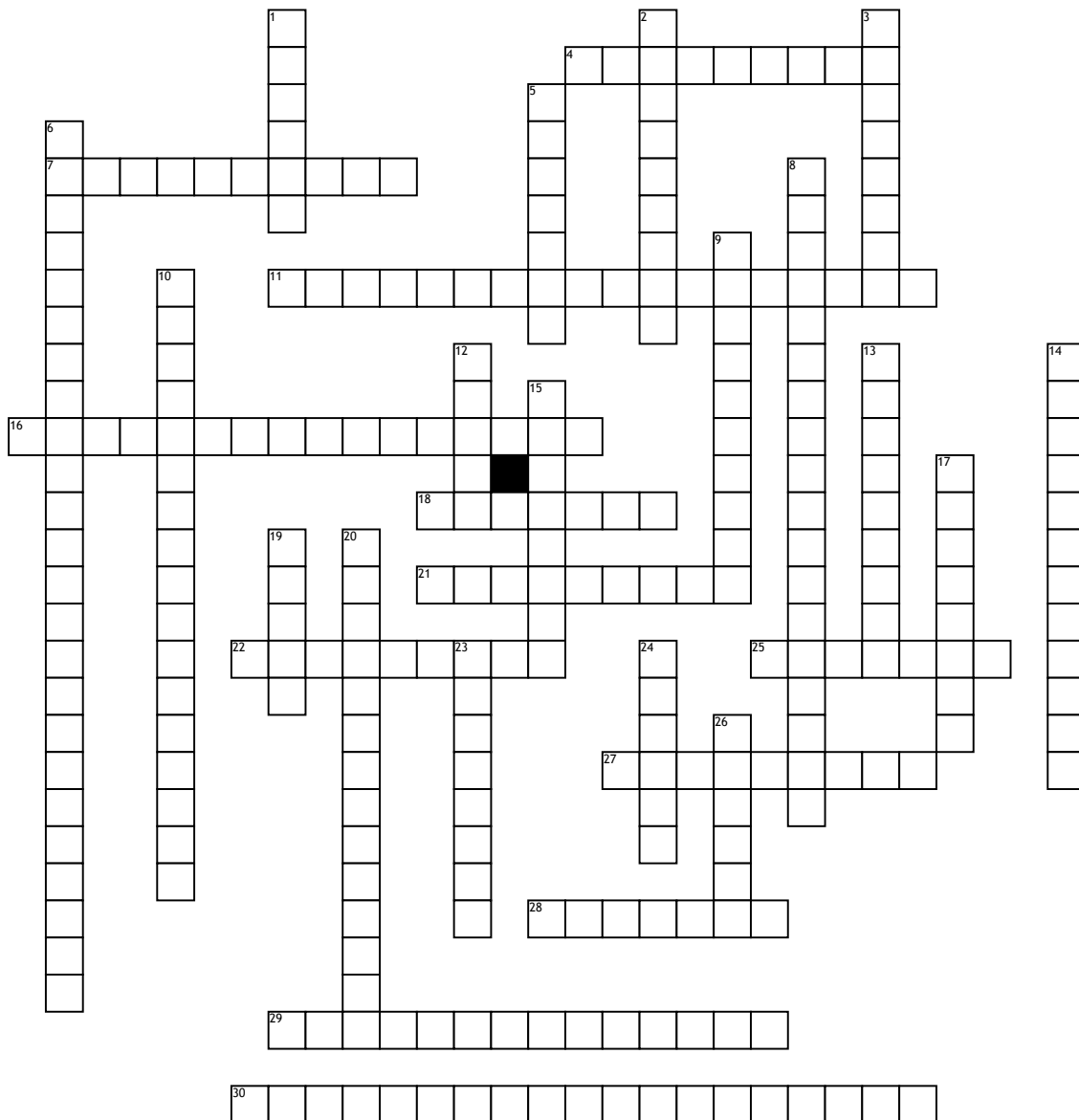


# Vocabulary Cross-Word Puzzle



**Across**

- 4. matter that allows electricity to flow through it
- 7. A possible explanation for a set of observations or answer to a scientific question; must be testable
- 11. properties that can be seen without changing the object, using your senses
- 16. a well tested scientific concept that explains a wide range of observations
- 18. a pure substance that is composed of the same type of matter throughout and cannot be divided into simpler substances through normal processes
- 21. the ability/inability to be pulled into thin wires
- 22. how well a substance will resist scratching by another substance; 1 being the softest and 10 being the hardest
- 25. a naturally occurring solid, made up of elements
- 27. an element that has both metallic and nonmetallic properties
- 28. is a combination of more than one substance, but does not create a new substance and it can be separated

- 29. a change in which a new substance with different properties is formed/created
  - 30. the variable whose value we know before we start an experiment
- Down**
- 1. the way matter reflects light from it's surface, matter that reflects a large amount of light is shiny, and matter that reflects little light from it's surface is dull
  - 2. matter does not allow electricity to pass through easily
  - 3. a description of the way a mineral tends to break; retains an irregular, jagged, or splintery shape
  - 5. the ability to be shattered and broken into pieces when pounded
  - 6. production of gas, change in temperature, production of a solid precipitate, or change in color
  - 8. a variable that does not change for the duration of the experiment
  - 9. the ability/inability to react with air, water, etc.

- 10. a variable that changes depending on some other factor; the variable we are trying to find out
- 12. an element that can be classified based on physical properties of hardness, luster, ease of malleability, conductivity, and ductility
- 13. the ability to be pounded into thin sheets
- 14. the ability/inability to burn
- 15. an element that lacks most of the physical properties of metals
- 17. how a crystal breaks when subject to stress on a particular plane; retains a smooth plane or crystal shape
- 19. is the most obvious but least dependable property of minerals
- 20. a change that effects one or more physical properties of the object but does not change the identity
- 23. a pure substance composed of 2 or more elements that are chemically combined; represented by chemical formulas
- 24. the color of crushed mineral powder
- 26. Anything that has mass or takes up space