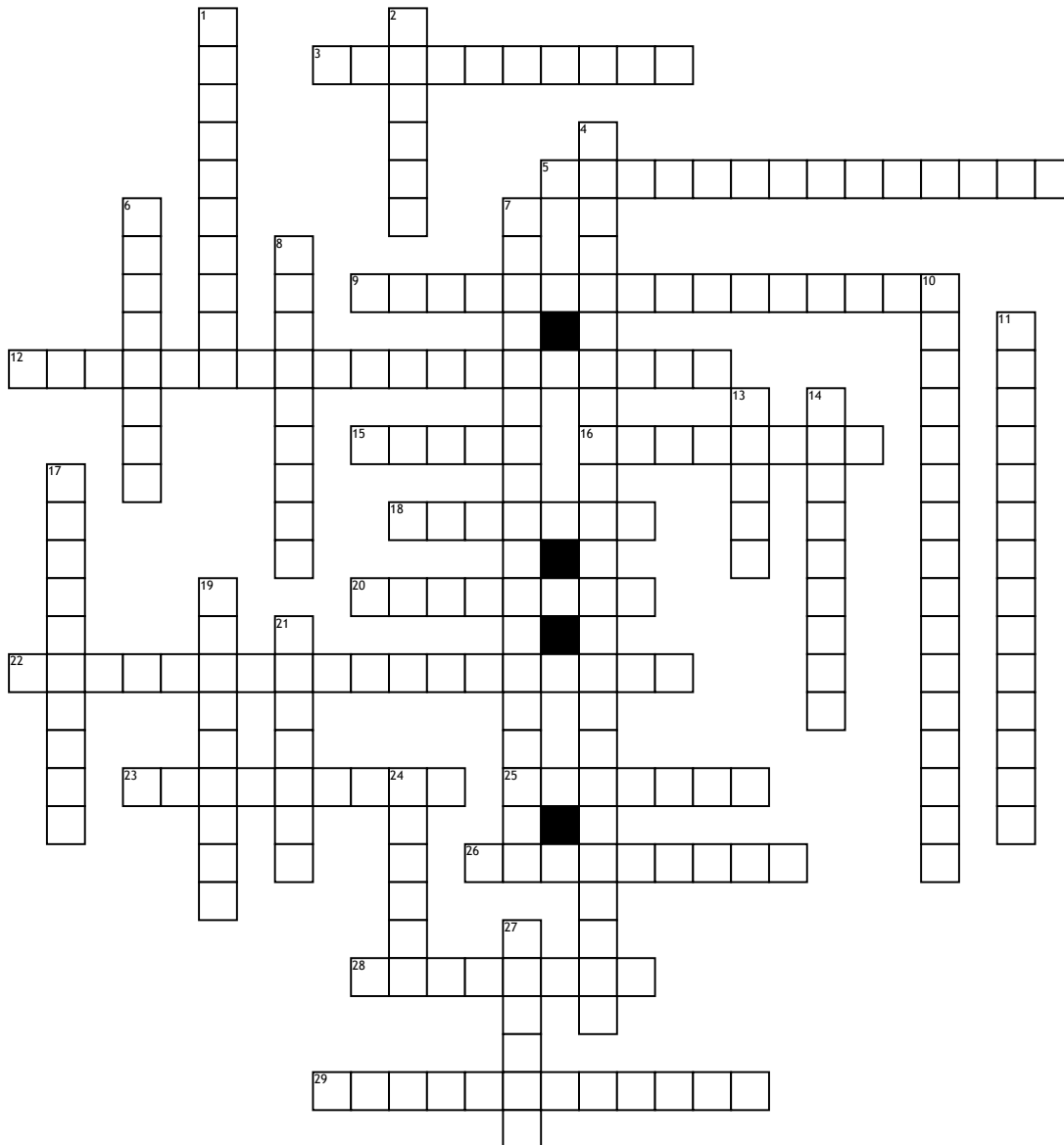


# Chapters 1, 2 and 3 Vocabulary - Science



## Across

3. The ability/inability to react with air, water, etc.

5. a change in which a new substance with different properties is formed/created

9. a well-tested scientific concept that explains a wide range of observations

12. The variable whose value we know before we start an experiment

15. An element that can be classified based on physical properties of hardness, luster, etc

16. a pure substance composed of 2 or more elements that are chemically combined; represented by chemical formulas, ie H<sub>2</sub>O or NaCl

18. a naturally occurring solid

20. how crystals break when stress on a particular plane forms a crystal shape

22. properties that can be seen without changing the object using your senses

23. the ability to be pounded into thin sheets

25. the ability to be shattered or broken

26. an element that has both metallic and non metallic properties

28. a description of the way a mineral tends to break and irregular, jagged, etc

29. the ability/inability to burn

## Down

1. how well a substance will resist scratching another substance

2. anything that takes up space

4. Production of a gas, change in temp, production of a solid precipitate, or change in color

6. An element that lacks most of the physical properties of metals

7. a variable that does not change for the duration of the experiment.

8. matter that allows electricity to flow

10. a variable that changes depending on some factor the variable we are trying to find out.

11. a change that affects one or more physical properties of the object but does not change the identity

13. the most obvious but least dependable

14. matter does not allow electricity to pass

17. What is a possible explanation for a set of observations or answer to scientific question: must be testable

19. the ability to be pulled in thin wires

21. pure substance that is composed of the same type of matter throughout and cannot be divided into simpler substances through normal processes

24. the way it reflects light like a mirror

27. the color of fresh mineral powder