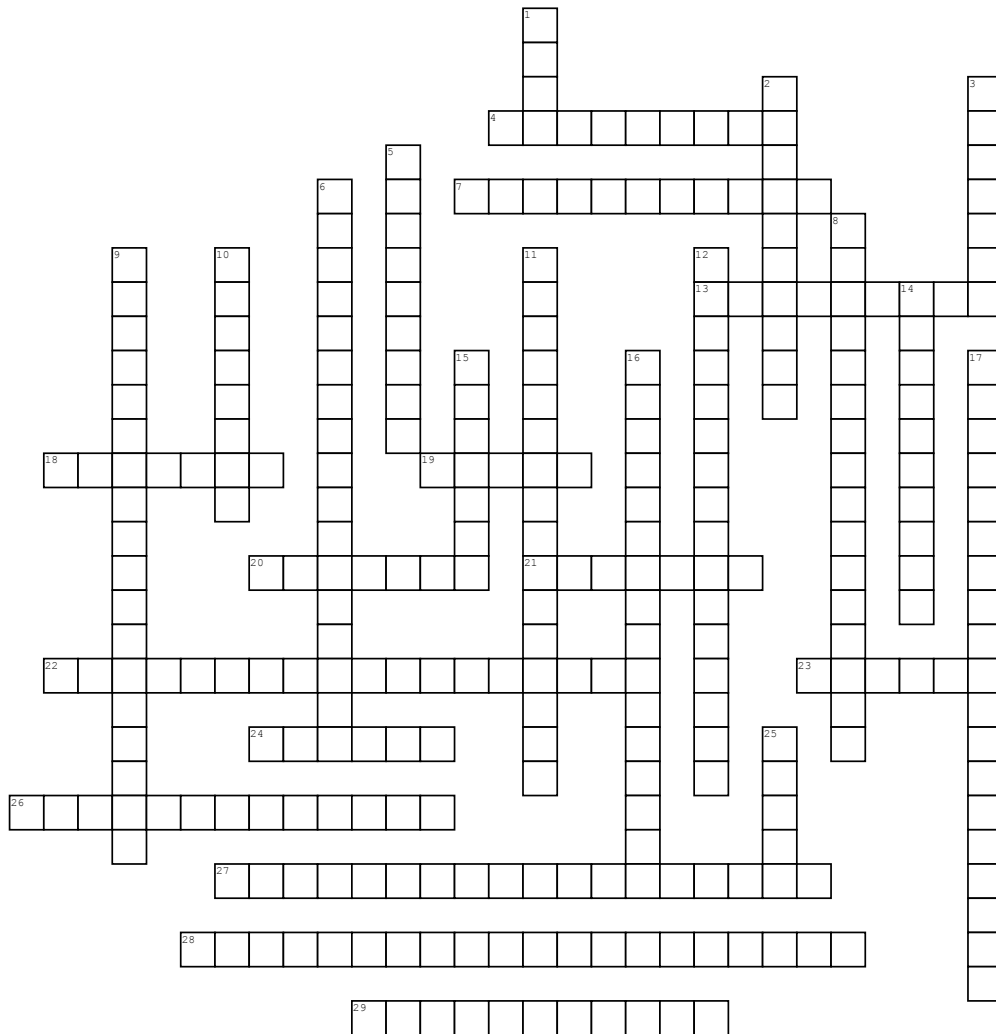


Name: \_\_\_\_\_

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# science skills and engineering design



## Across

4. Science that deals with celestial objects, space, and the physical universe as a whole.

7. The taking of the altitude of the sun or another celestial body for navigational purposes

13. identification of the substances of which matter is composed

18. a system of knowledge about the natural world and the methods used to find that knowledge

19. the steepness of a line equal to the ratio of a vertical change

20. the science that deals with earth's physical structure and substance its history and the processes that act on it.

21. science concerned with the nature and properties of matter and energy

22. a mathematical expression used to represent a decimal between one and two

23. the amount of space that a subject or object occupies

24. the measurement or extent of something from end to end

26. statements that describe or predict a range of natural phenomena

27. something that responds to changes you've made in an experiment

28. a scientific test that is directly manipulated by a scientist

29. an instrument for measuring and indicating temperature

## Down

1. a large body of matter with no definite shape

2. a supposition or proposed explanation made on the basis of limited evidence as a starting point

3. a degree of compactness of a substance

5. the quality, condition, or fact of being exact and accurate.

6. a relationship in which the product of two variables is constant

8. A scientific theory is an explanation of an aspect of the natural world that can be repeatedly tested

9. each of the digits of a number that are used to express it to the required degree of accuracy, starting from the first nonzero digit.

10. the closeness of measurement to the true value was measured

11. relationship between two variables which the ratio is constant

12. a method of procedure that has characterized natural science consisting in systematic observation

14. the application of science knowledge for practical purposes, especially industry

15. the study of living organisms

16. a ratio of equivalent measurements that is used to convert a quantity from one unit to another

17. the manipulated variable in an experiment

25. a three-dimensional representation of a person or thing

## Word Bank

direct proportion	physics	observation	volume	controlled experiment
geology	model	conversion factor	biology	scientific law
astronomy	science	slope	technology	inverse proportion
hypothesis	manipulated variable	accuracy	length	significant figures
responding variable	mass	chemistry	scientific theory	thermometer
scientific notation	density	Scientific Method	precision	