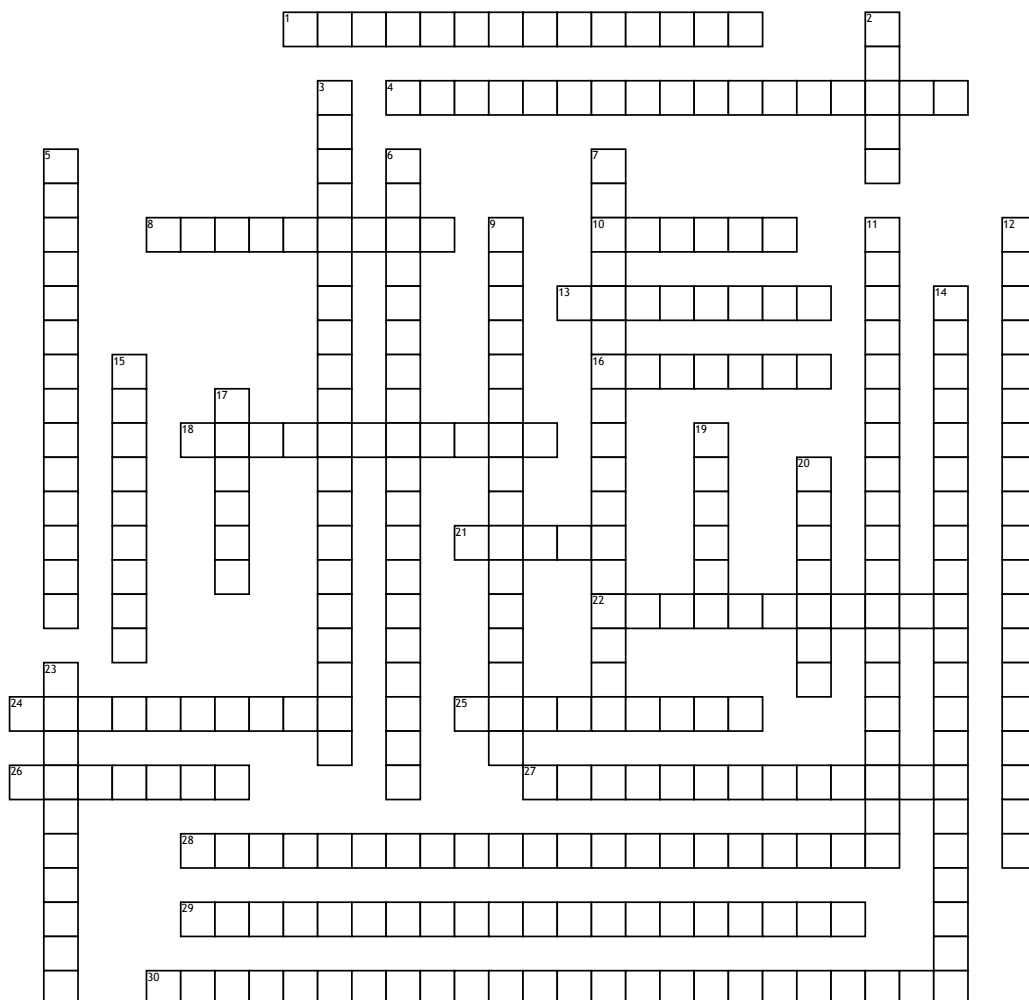


# Tech Inventions



## Across

1. the use of artificial tissues, organs, or organ components to replace damaged or absent parts of the body, such as artificial limbs and heart pacemakers
4. Something made of artificial material, not natural items
8. a self-contained system within a larger system
10. the amount of something produced by a person, machine, or industry
13. information about reactions to a product, a person's performance of a task, etc. which is used as a basis for improvement
16. the intellectual and practical activity encompassing the systematic study of the structure and behavior of the physical and natural world through observation and experiment
18. the branch of science and technology concerned with the design, building, and use of engines, machines, and structures
21. what is put in, taken in, or operated on by any process or system
22. the basic material from which a product is made
24. the action of making or manufacturing from components or raw materials, or the process of being so manufactured

25. facts, information, and skills acquired by a person through experience or education; the theoretical or practical understanding of a subject
26. the most important city or town of a country or region, usually its seat of government and administrative center
27. the imparting or exchanging of information or news
28. the branch of engineering that deals with the practical application of the theory of electricity to the construction of machinery
29. parts, tools, dies, jigs, fixtures, plans, drawings, and information produced or acquired, or rights acquired, specifically to fulfill obligations set forth herein
30. the ability to plan the practices of manufacturing; to research and to develop tools, processes, machines and equipment

## Down

2. the ability to do something well
3. the branch of engineering that deals with the design, development, testing, and production of aircraft and related systems
5. the action of transporting someone or something or the process of being transported
6. branch of engineering concerned with the design and operation of industrial chemical plants
7. naturally occurring materials
9. an engineer who designs and maintains roads, bridges, dams, and similar structures
11. as the discipline that embodies the science and technology of design
12. a realization concerning every application of materials
14. the branch of engineering dealing with the design, construction, and use of machines
15. a person who designs, builds, or maintains engines, machines, or public works
17. the capacity for doing work
19. a set of things working together as parts of a mechanism or an interconnecting network
20. a series of actions or steps taken in order to achieve a particular end
23. the use of the imagination or original ideas, especially in the production of an artistic work

## Word Bank

Manufacturing engineering	Capital	Processed material	Creativity	Mechanical engineering
Subsystem	Feedback	Bioengineering	Synthetic material	Electrical engineering
System	Output	Engineering	Input	Communication
Transportation	Computer engineering	Process	Chemical engineering	Production
Raw material	Science	Knowledge	Aerospace engineering	Material engineering
Skill	Energy	Engineers	Manufactured material	Civil engineering