

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«САМАРСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ
УНИВЕРСИТЕТ ИМЕНИ АКАДЕМИКА С.П. КОРОЛЕВА»
(САМАРСКИЙ УНИВЕРСИТЕТ)

Е.В. ПОСТНИКОВА, Д.Л. ДУДОВИЧ

DIFFICULT PUZZLES – EASY LEARNING (НАУЧНЫЙ АНГЛИЙСКИЙ В КРОССВОРДАХ)

Рекомендовано редакционно-издательским советом федерального государственного автономного образовательного учреждения высшего образования «Самарский национальный исследовательский университет имени академика С. П. Королева» в качестве практикума для обучающихся по основным образовательным программам высшего образования по направлениям подготовки 38.03.01 Экономика, 38.03.02 Менеджмент, 38.03.03 Управление персоналом, 38.03.04 Государственное и муниципальное управление, 38.03.05 Бизнес-информатика

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Материалы практикума служат основой формирования практической направленности деятельности специалистов различных профилей и позволяют формировать универсальные и профессиональные компетенции. Основная цель рукописи – повысить уровень иноязычной коммуникативной компетенции обучающихся. Практикум представляет собой сборник кроссвордов на английском языке для подготовки обучающихся неязыковых специальностей. Может использоваться обучающимся как на аудиторных занятиях, так и самостоятельно.

Предназначен для обучающихся бакалавриата и магистратуры различных направлений подготовки.

Подготовлен на кафедре иностранных языков и профессиональной коммуникации Самарского университета.

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ПРЕДИСЛОВИЕ

Опыт подготовки обучающихся неязыковых специальностей показывает необходимость внедрения дополнительных учебных материалов, а именно кроссвордов, с целью расширения лексического запаса. Освоение профессиональной лексики в ходе решения кроссвордов позволяет формировать лексическую грамотность. Практикум логично выстроен, что позволяет наглядно представить работу по освоению лексики. Кроссворды составлены авторами рукописи и обучающимися в процессе изучения и освоения лексического материала.

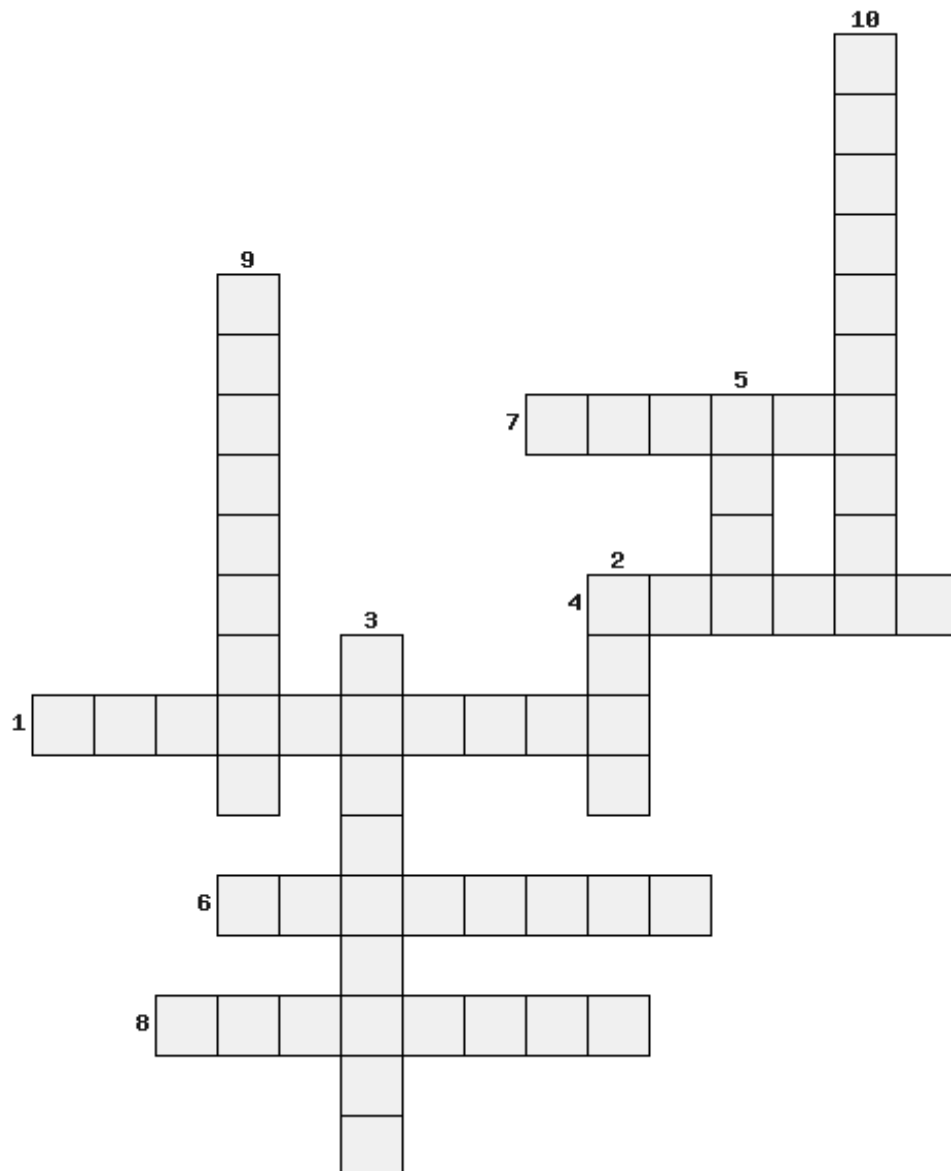
Авторы представляют актуальные темы профессионального характера через призму иностранного языка: каждый раздел состоит из кроссвордов, направленных на изучение профессиональной лексики. Расширенный, объемный лексический материал позволяет не только изучать иностранный язык, но и закладывать основы профессиональной деятельности обучающихся различных направлений.

Практикум может быть использован для самостоятельной работы обучающихся, а также для выполнения заданий в аудитории под руководством преподавателя.

LEGAL CROSSWORDS

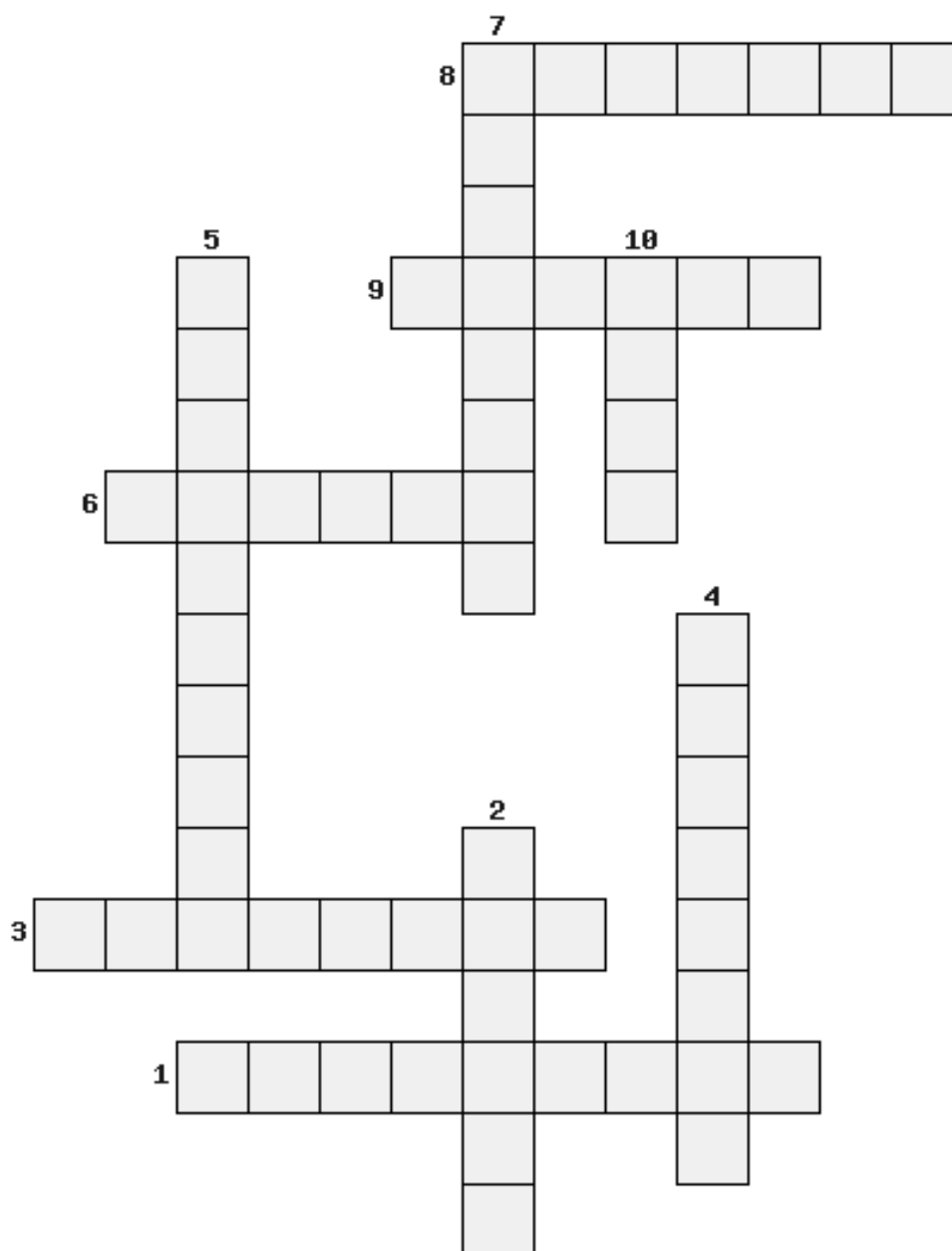
Crossword №1

1. The people who control a country and make laws.
2. Information.
3. Rising prices.
4. How much people want something.
5. Company (synonym).
6. When there is very little of something.
7. The extra money a company makes is called.
8. The period between 1100 and 1500 AD.
9. Something such as money markers or minerals belonging to an organization, country, etc which can be used to function properly.
10. Number of people in the country.



Crossword №2

1. Rising prices.
2. How much people want something?
3. When we buy things or use services we are a... .
4. Lifestyle and action.
5. The...is the number of people a country has.
6. The amount of money you have for something.
7. ...is when there is very little of something.
8. A large group of people who live together in an organized way, making decisions about how to do things and sharing the work that needs to be done.
9. The extra money a company makes is called.
10. A business or company is sometimes called a... .



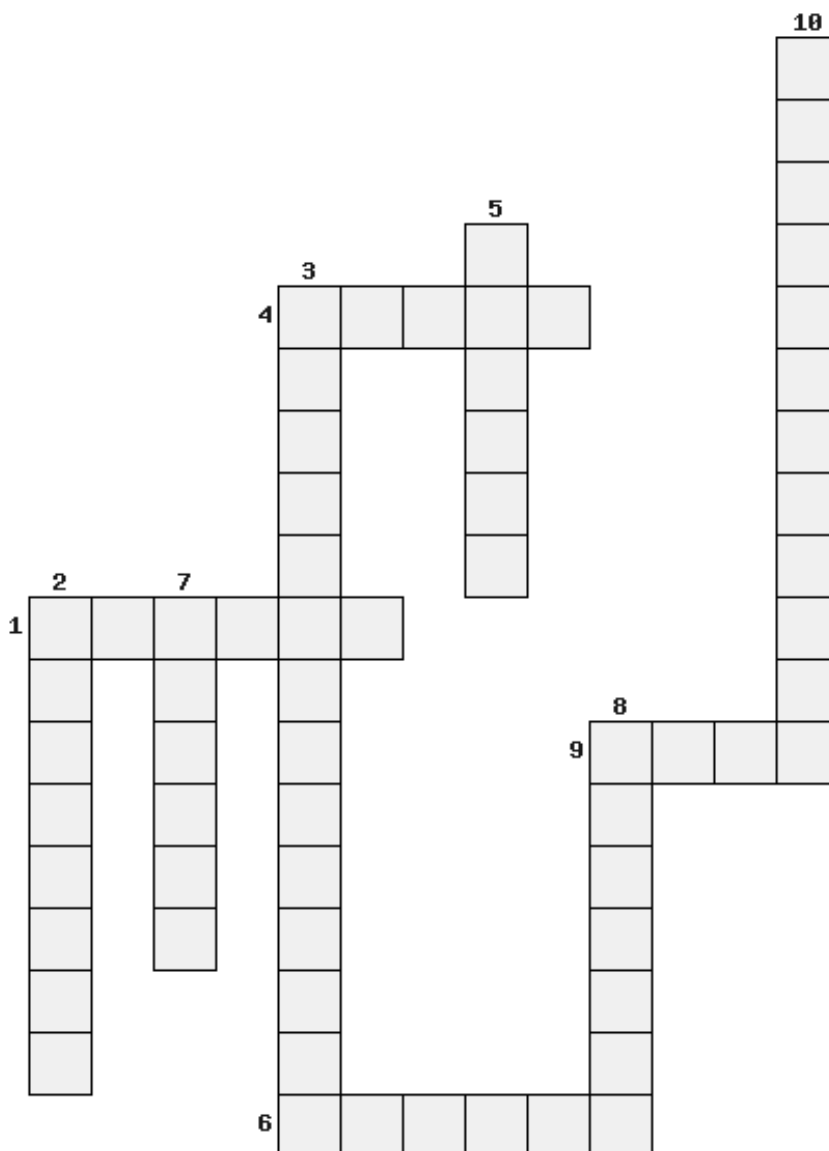
Crossword №3

Vertically:

2. Company that sells goods or services.
3. Shelooks at the economy of a country _ and of the whole world.
5. Abundance.
7. How much people want something.
8. Modern economics was born in the 19th.
10. The number or people without work.

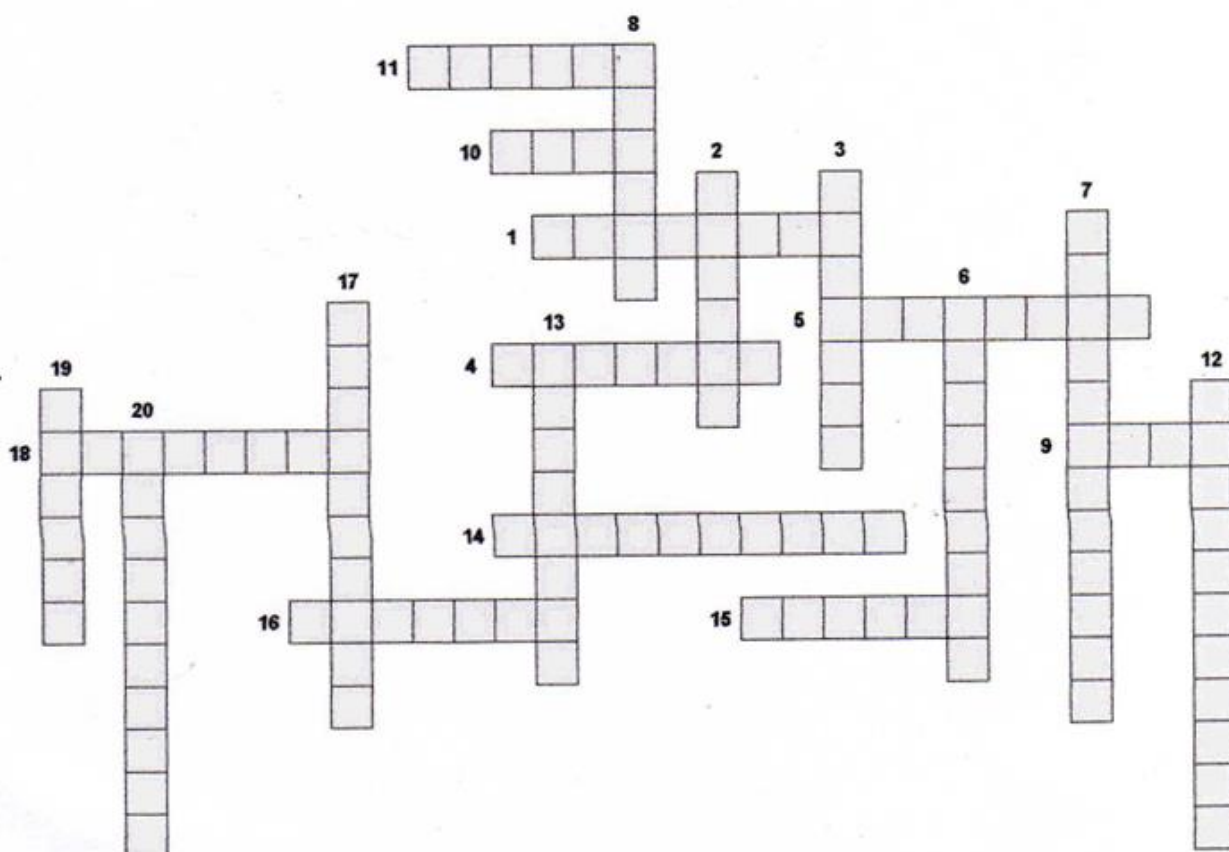
Horizontally:

1. The amount of money you have for something.
4. What can be exchanged for goods?
6. Depend on demand.
9. The _ of production depend on the _ of raw materials.



Crossword №4

1. A person or organization consuming manufactured products.
2. The most important financial document of the country.
3. Person who gives training.
4. Regular cash income paid to persons who: have reached retirement age.
5. Joint implementation activities.
6. These are additional costs not directly related to the main production.
7. The presence of people who do not have regular earnings.
8. Correlation between price and quantity of goods.
9. Transfer of securities to another party.
10. An association of legal entities or individuals to conduct joint economic activities.
11. Termination of labor relations between the employee and the employer.
12. Finances that invest in.
13. The one who provides work hires labor.
14. The people who control a country and make laws.
15. Foreign country.
16. The aggregated of all monetary resources at the disposal of the state and economic entities.
17. The process of creating a product.
18. Dismissal of a person.
19. A relatively stable direction of development of a certain phenomenon.
20. Having a favorable course and a positive result.



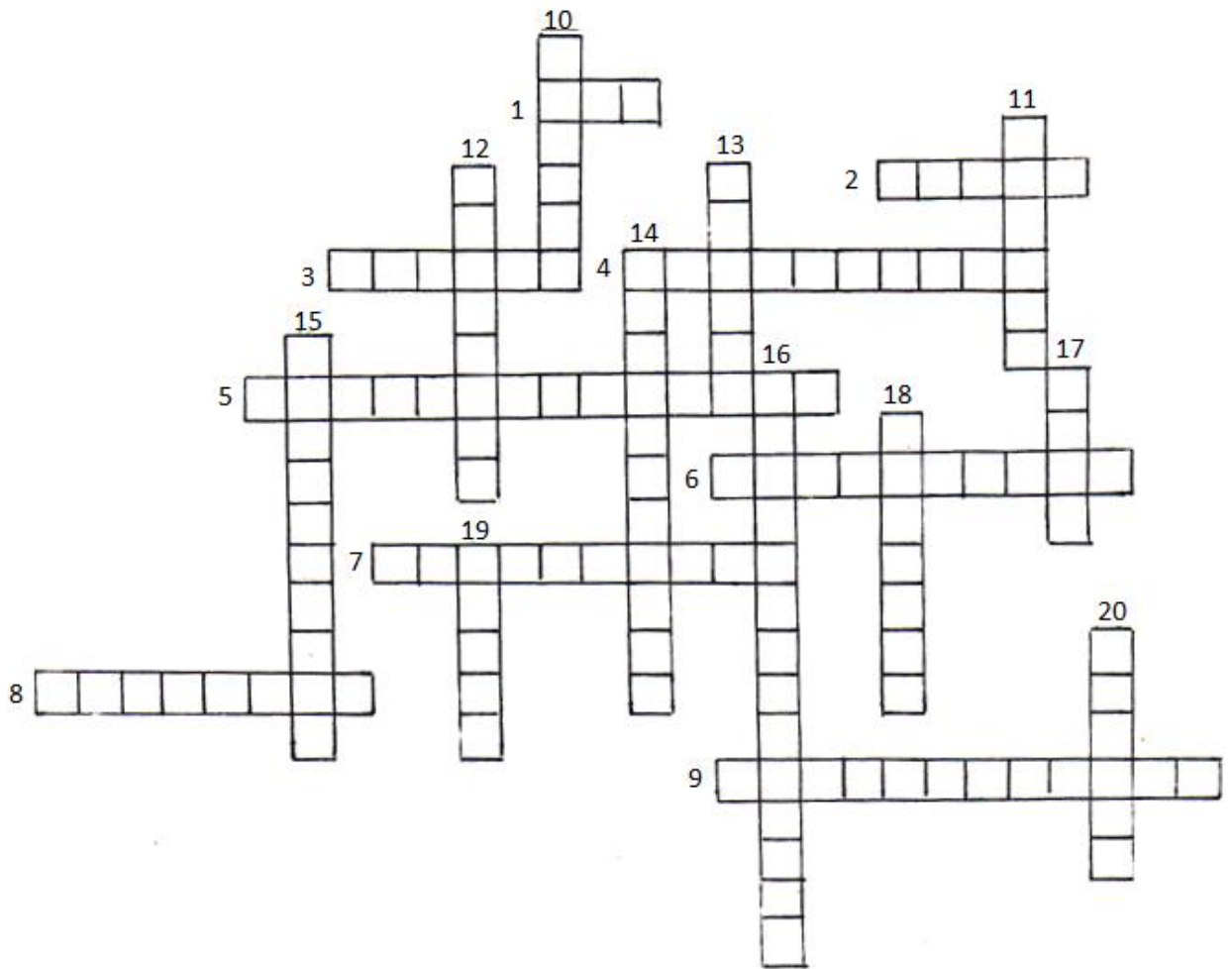
Crossword № 5

Horizontally:

- 1) Legal... - age at which a person may legally engage in a certain activity.
- 2) Legal... - person or company owning a property.
- 3) ...law - the set of law that control how businesses or formed and managed.
- 4) Legal... - advice to government departments, professional bodies, universities, local, authorities act.
- 5) ...Law-the body of law which defines the role, powers, and structure of different entities.
- 6) ...Law-the area of law that governs the employer-employee relationship.
- 7) ... - proceedings initiated between two opposing parties to enforce or defend a legal right.
- 8) ...Law-the body of law that relates to crime.
- 9) ... - a form of business where two or more people share ownership.

Vertically:

- 10) ...law- a legal practice area that focuses on issues involving family relationship such as adoption, divorce, and child custody, among others.
- 11) Legal... - a person that is recognized as having certain privileges and obligations such as the legal capacity to enter into contracts, to sued and to be sued.
- 12) Law... - legal advice clients, drafting legal documents for clients etc.
- 13) Legal ... - a process to have a court of law settle on argument he plans on taking legal which against the company.
- 14) ... - a form of alternative dispute resolution (ADR), is a way to resolve disputes out side the courts.
- 15) ...law – the body of law that applies to the rights, relations and businesses engaged in commerce and sales.
- 16) ...law – the body of law that governs the activities of administrative agencies of government.
- 17) ...law – the form of law that deals with the rights to use, alienate or exclude other from land.
- 18) ...law – law is the a set of rules of law that govern the implementation of the right to housing.
- 19) ... - in company is a legal entity that acts as a fiduciary, agent, trustee on behalf of person or business or the purpose of management and the eventual of assent to beneficial party.
- 20) ... - the difference between the value of the assets and the value of the liabilities of something owned.



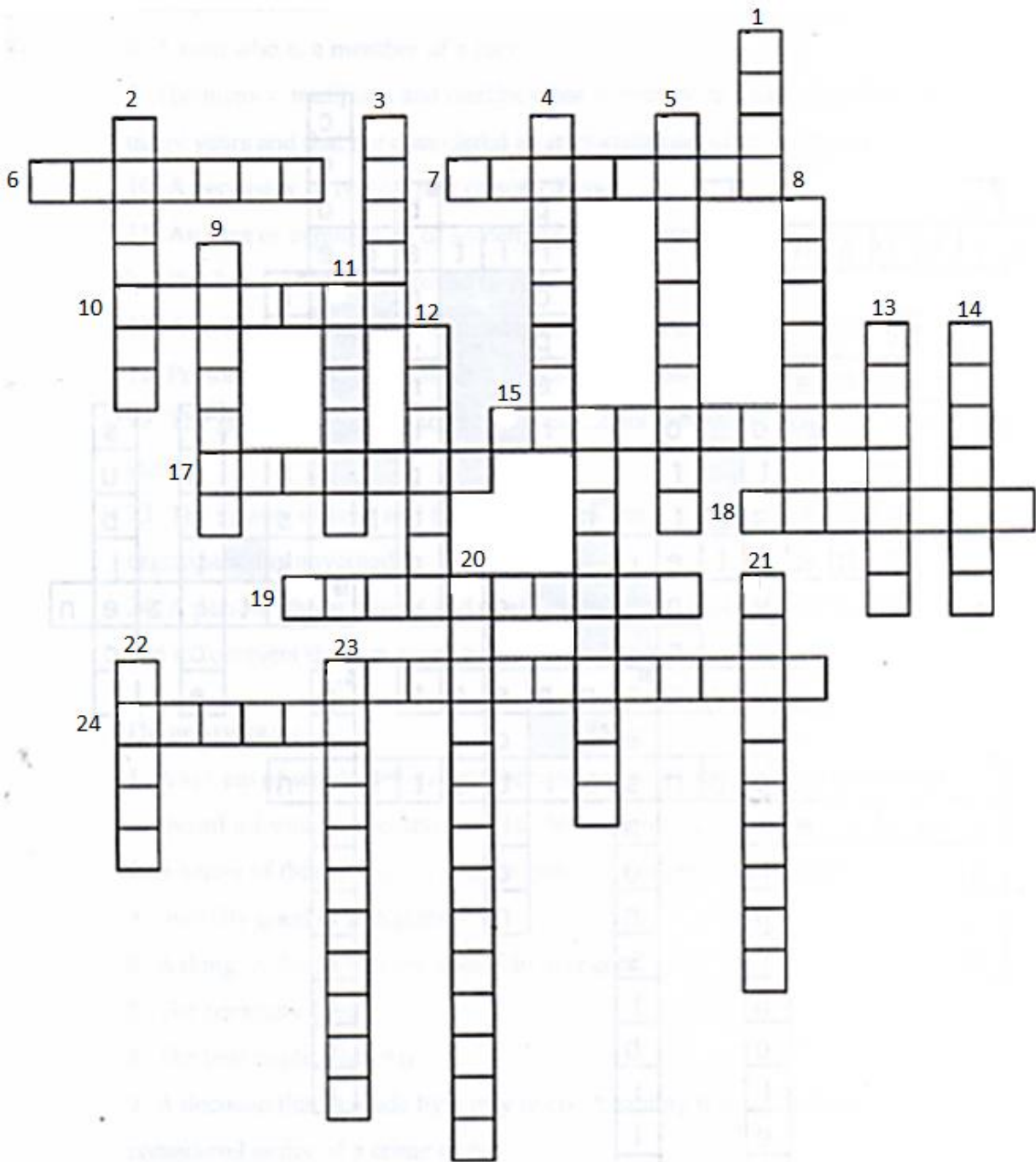
Crossword №6

Horizontally:

6. A man who is a member of a jury.
7. The history, traditions and qualities that a country or society has had for many years and that are considered an important part of its character.
10. A necessary or typical part of something.
15. An idea or explanation of something that is based on a few known facts but that has not yet been proved to be true or correct.
17. A written statement of the principles and aims of an organization.
18. Person who has the legal right to belong to a particular country.
19. The group of people who are responsible for controlling a country or a state.
23. The system of laws and basic principles that a state, a country or an organization is governed by.
24. A person who is trained and qualified to advise people about the law and to represent them in court, and to write legal documents.

Vertically:

1. A system of words, letters, numbers or symbols that represent a message or record information secretly or in a shorter form.
2. A series of things that are done in order to achieve a particular result.
3. Morally good or acceptable.
4. A thing or things that are owned by somebody.
5. The company filed.
8. The best English teacher.
9. A decision that is made by a jury in court, stating if somebody is considered guilty of a crime or not.
11. A person, especially a lawyer, with official authority to be a witness when somebody signs a document and to make this document valid in law.
12. An illegal act.
13. The fair treatment of people.
14. A thing or person that is being discussed, described or dealt with.
16. The act of protecting somebody/something.
20. A duty to deal with or take care of somebody/something, so that you may be blamed if something goes wrong.
21. A public official who charges somebody officially with a crime and prosecutes them in court.
22. To demand or ask for something because you believe it is your legal right to own or to have it.
23. The scientific study of crime and criminals.



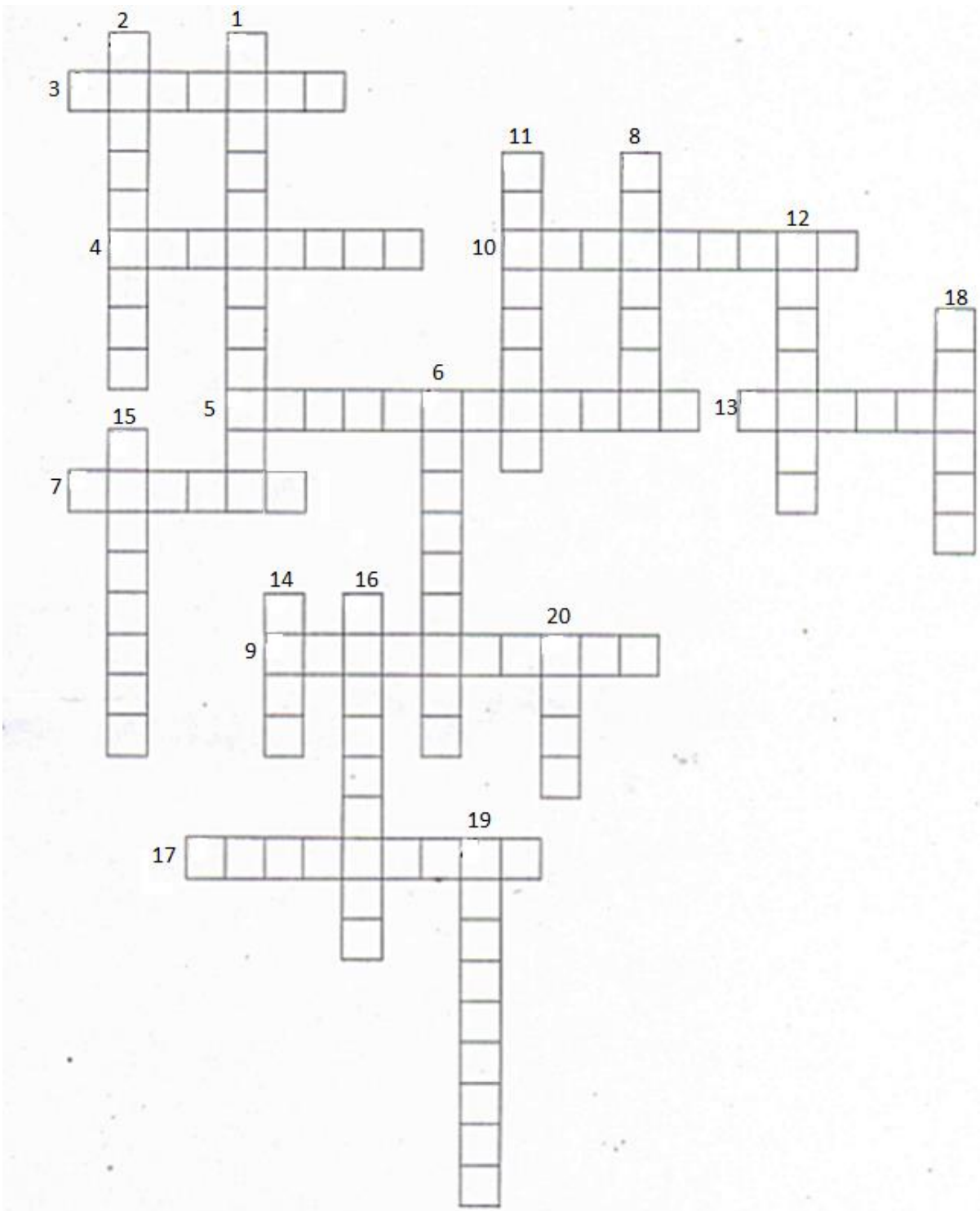
Crossword № 7

Horizontally:

3. How do people call the younger person in the company?
4. What is the name of a person who is engaged in any branch of labor?
5. Costs in the process of economic activity, leading to a decrease in the funds of the enterprise are called...
7. What are the extra money that the company makes?
9. Investments in securities, authorized capital, cost of purchasing state securities, granted loans are called...
10. When a lots of something is...
13. How much people want something is...
17. Rising prices is...

Vertically:

1. The number of people without work are called...
2. How can one call the species, plans for the future?
6. What is the termination of employment between an employee called?
8. Money management practice is...
11. ... is when there is very little of something.
12. Another word for idea is...
14. A business or company is sometimes called a...
15. When we buy thing or use services we are a...
16. What is the inevitable cost of any company?
18. The amount of money you have for something are called.
19. Most important thing for a company to do...
20. What is the receipt of money for work?



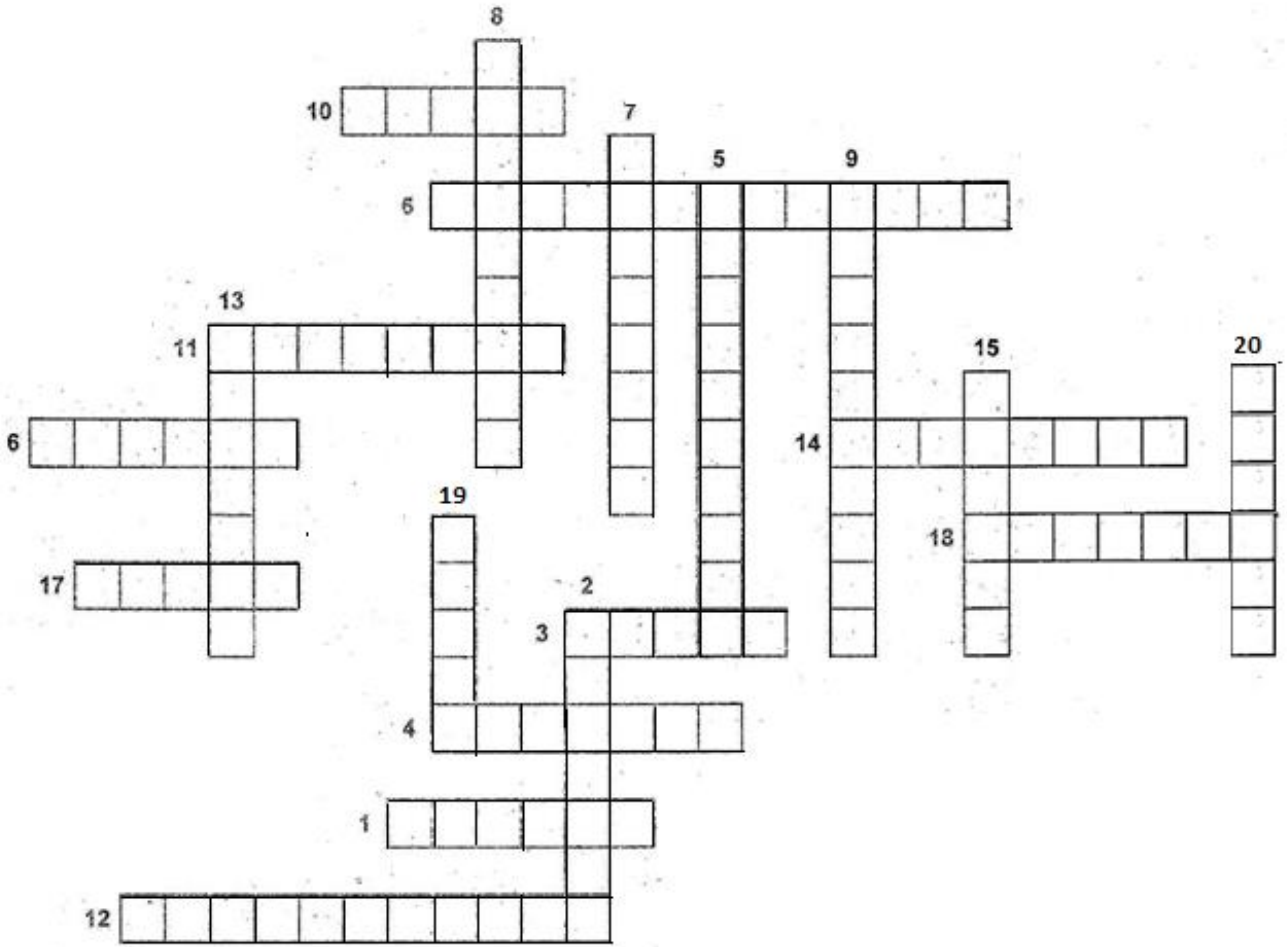
Crossword № 8

Vertically:

2. What is an innovative idea that contains a creative meaning?
5. What is the placement of capital for profit?
7. What is the name of activities aimed at systematic profit?
8. What are the factors used to produce economic goods?
9. What is the name of the receiver of special signals of the image and sound?
13. What is meant by a legal entity engaged in entrepreneurial activity, which at one time, in accordance with the established procedure, registered its own activities?
15. What is the name of the element that perceives touch?
19. What is the name of an American Corporation, a manufacturer of personal and tablet computers, audio players, phones, software?
20. What is the name of the scheme of income and expenses of a certain entity?

Horizontally:

1. What a touch screen device with the size of a regular book performing the functions of computer?
3. What are the costs of a certain period of time, documented, economically justified?
4. What is the name of the economic activity of the company, as well as a set of relations that develop in the system of production, distribution, exchange and consumption?
6. What is the name of the type of telecommunication that provides the transmission of signals?
10. What is the equivalent, serving as a measure of the value of any goods and services?
11. What is the currency of the country used to measure the value of goods?
12. Which implies a type of movement and change in nature and society, associated with the transition from one quality, state to another, from the old to the new?
14. What is the name of the world system of computer networks United?
16. As it is called, the Chinese company ranks sixth in the world in the production of smartphones?
17. What is the name of a series of smartphones developed by Apple?
18. What company is linked by the words three star?



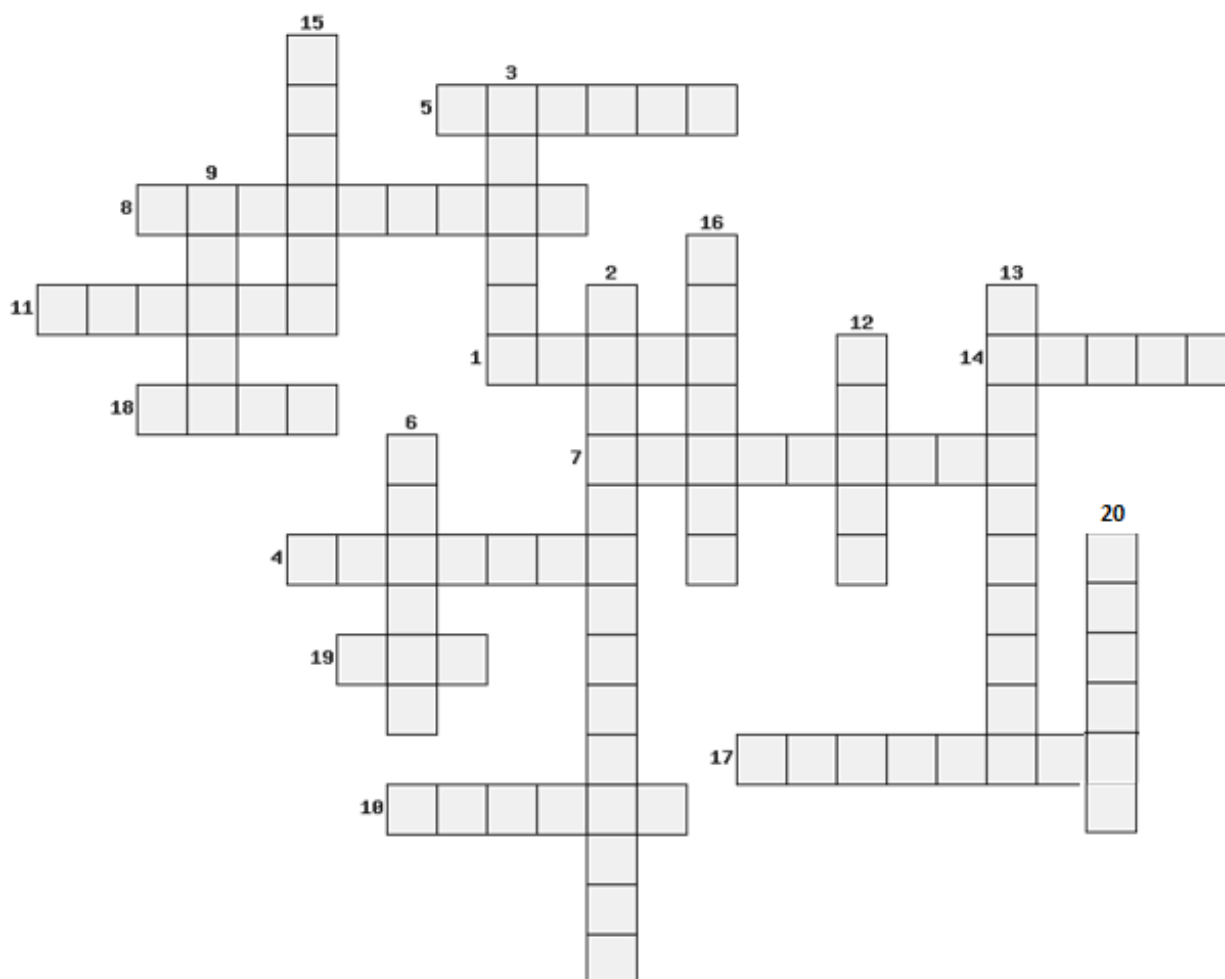
Crossword №9

Vertically:

1. Кража.
2. Ответственность.
3. Арест.
4. Гражданин.
5. Карьера.
6. Преступник.
7. Прецедент.
8. Телохранитель.
9. Порядок.
10. Семья.

Horizontally:

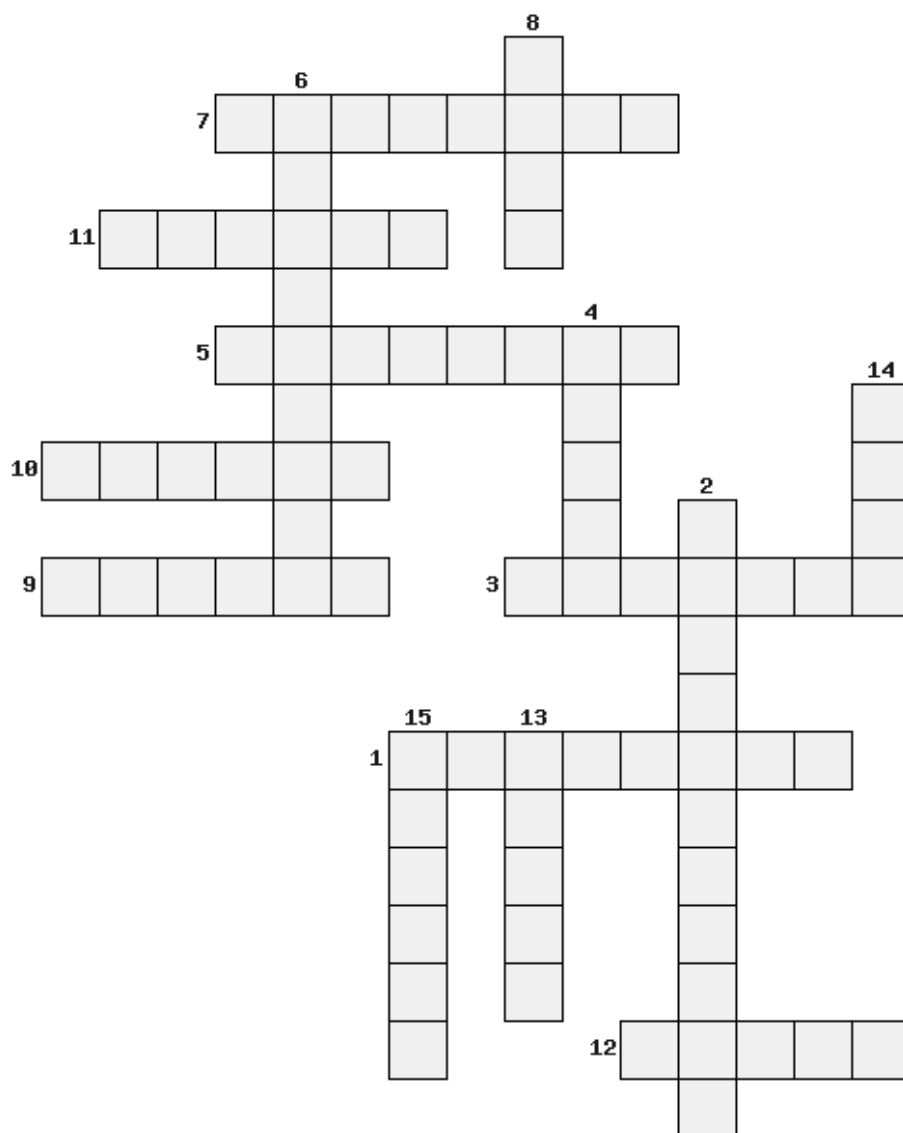
11. Убийство.
12. Судья.
13. Защита.
14. Право.
15. Юрист.
16. Свидетель.
17. Улики.
18. Правда.
19. Закон.
20. Адвокат.



ECONOMICCROSSWORDS

Crossword №1

1. System of business relations, with the goal of making a profit.
2. Rivalry, struggle to achieve the best results.
3. Investing in a back.
4. The monetary expression of value.
5. A man who has failed, a complete failure in his activities.
6. There release of excessive amounts of money in the country, which leads to the depreciation of peoples wages.
7. Income received by the owner of the share as a result of income of joint – stock companies.
8. The contract on the provision of property for a fee for a certain period.
9. The desire and ability of the consumer to buy a specific product.
10. Loan in cash of commodity form on the terms of repayment with payment of interest.
11. The difference between the amount of money from income and expense.
12. Universal commodity equivalent.
13. A security redeemable by the company and giving the right to receive income.
14. Expressed in money the amount of costs for the acquisition or manufacture of the object.
15. Commodity transaction or exchange.



Crossword №2

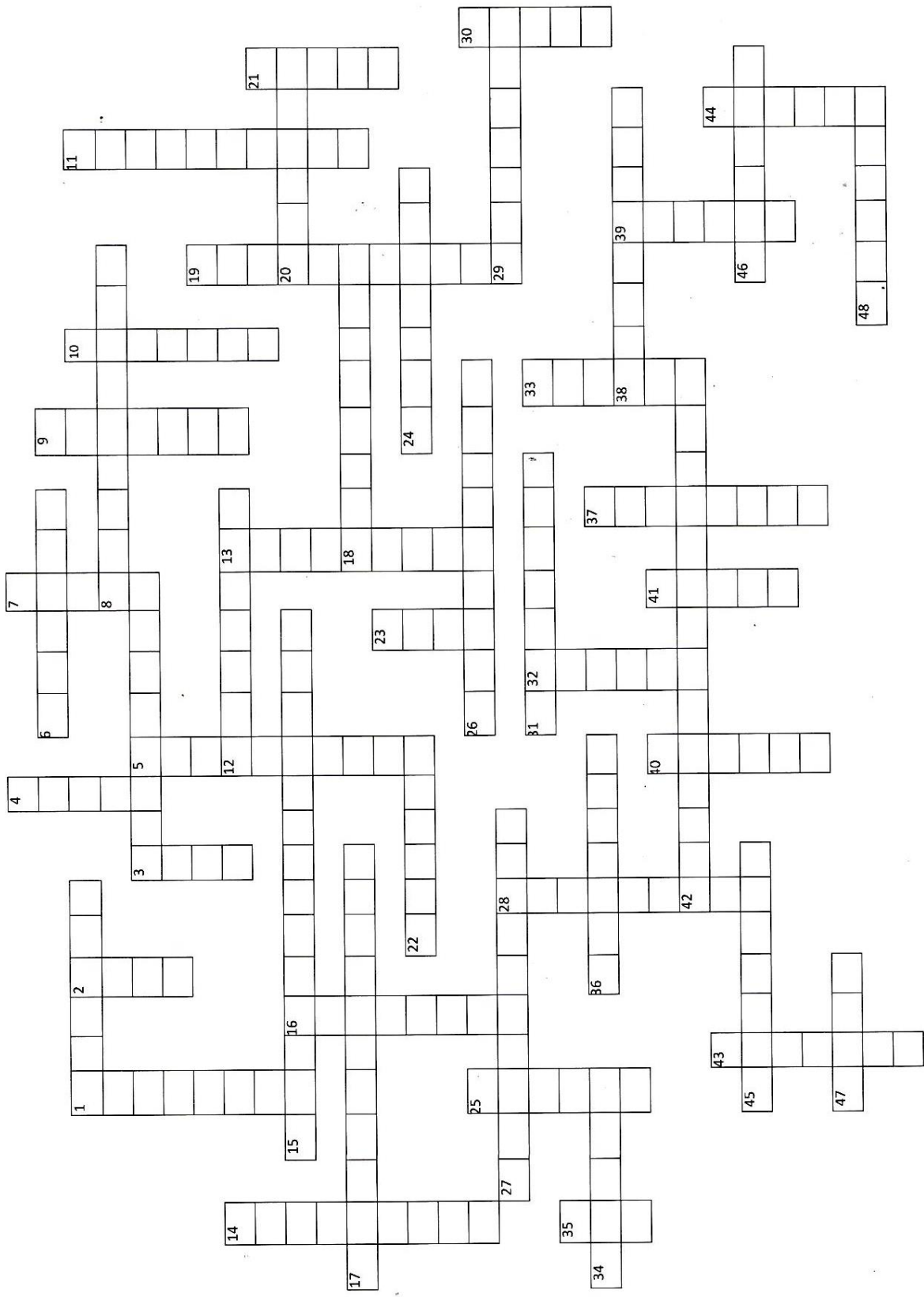
Horizontally:

1. A loan in cash or in commodity on the terms of repayment on time and with interest payment.
3. Economic activities for profit.
6. A document containing permission to engage in any craft subject to fixed conditions and making a payment.
8. An increase in the purchasing power of money, expressed in a decrease in the general price level in the economy.
12. The totality of relations emerging in the system of production, distribution, exchange and consumption.
15. An increase in the general level of prices, when, as a whole, during the year, prices increase several times.
17. Competition between producers of goods for sales markets with the aim of obtaining higher incomes, and in the general case between any economic entities for better results.
18. An economic transaction for the transfer of goods from one economic entity to another with the receipt in return of money or other goods.
20. The system of rates determining the amount of the fee for retail services; system of wage rates.
22. The monetary value of a balanced estimate of income and expenses for a certain period.
24. The amount of money transferred to a credit institution in order to obtain interest income.
26. Development and creation, the most efficient use and control of socio-economic systems.
27. Lack of development in production, trade and other sectors of the economy.
29. The material or intangible result of human labor.
31. Lack of funds, resources, goods in relation to the planned or necessary level.
34. The composition of the products by type, species, grades, sizes, brands.
36. The company managing the activity or controlling the activity of other enterprises, companies.
38. A part of the joint-stock company's profit distributed annually between shareholders in the form of income in accordance with the number and type of shares held by them.
42. A complex of sectors of the economy serving the production and circulation of goods and services.
45. The fee that the borrower must refund to the lender for the use of a loan, borrowed money or material assets.
46. Any receipt of cash or receipt of tangible assets with a monetary value.
47. An economic, industrial or commercial enterprise enjoying the rights of a legal entity.
48. The excess of income from the sale of goods and services over the costs of their production and sale of these goods.

Vertically:

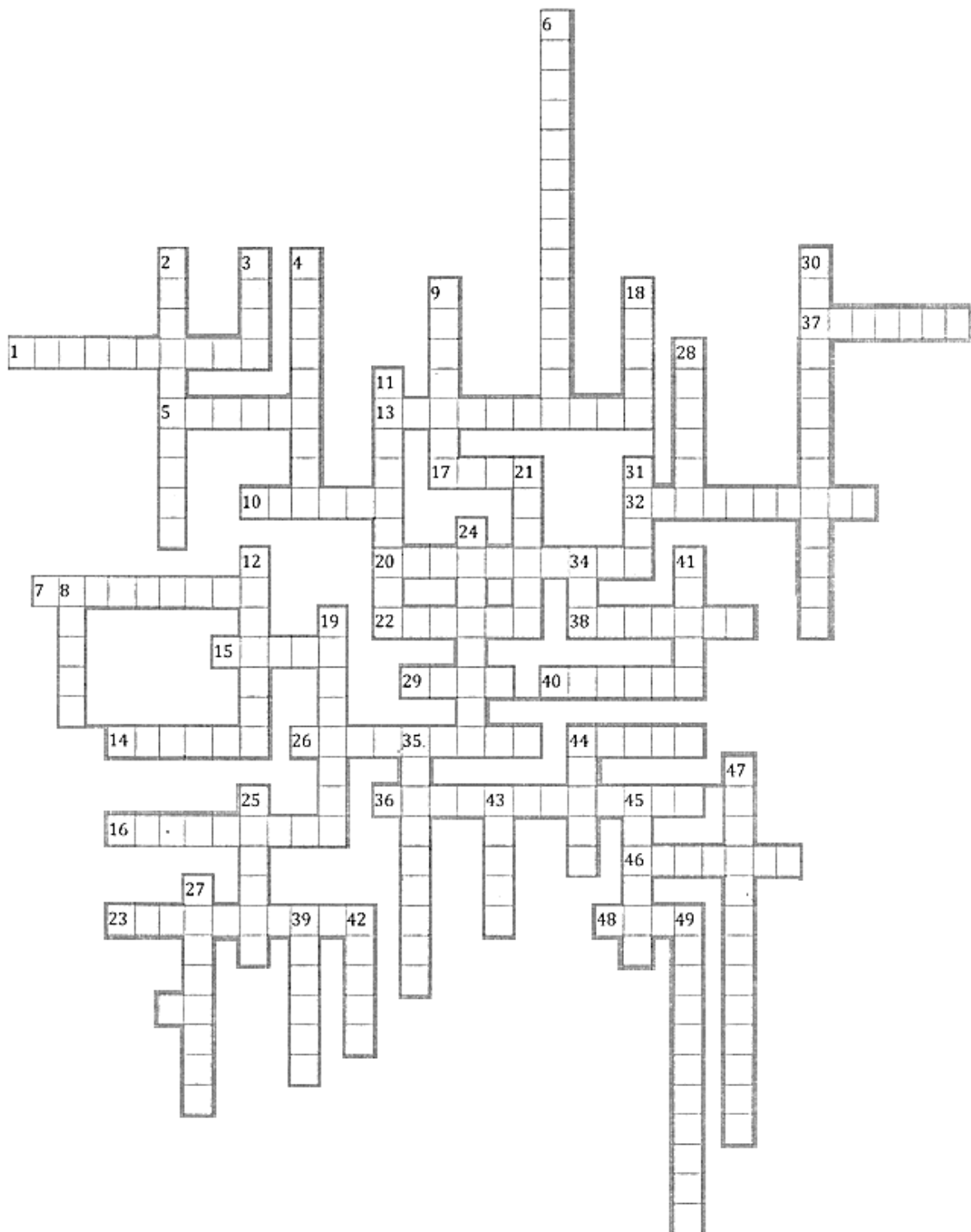
1. The monetary unit of a country participating in international economic exchange.
2. A special type of taxes and fees levied by the state in the person of state bodies from legal entities and individuals for certain types of services.
3. A financial intermediary whose main functions are to accept deposits and issue loans.
4. A non-profit organization created on the basis of voluntary property contributions, having social, charitable, cultural, educational or other socially useful purposes.
5. Placement of capital for profit.

7. All physical, social, and spiritual human feelings of scarcity.
9. Long-term rental of equipment, machinery, industrial facilities.
10. Permission to carry out a variety of activities within certain limits.
11. A security reflecting a loan relationship and giving its holder an income in the form of a fixed percentage of its value.
13. The system of organization and management of the company, aimed at ensuring maximum sales of its products, achieving high efficiency of export products, expanding market share.
14. Any product of production and economic activity in material form, which is the object of sale.
16. Issue of banknotes in all forms.
19. A joint venture of several persons, each of which participates in it not only with its own capital, but also with personal labor.
21. The amount of goods that sellers want and can sell in a particular market at a specific price at a given point in time.
23. The transfer of material assets or money by some parties to the agreement to others on the terms of return and with payment of interest.
25. A social device that provides interaction between potential sellers and buyers.
28. The fall in the purchasing power of money, manifested in the increase in prices for all goods and services.
30. A security certifying the participation of its owner in the formation of the funds of the joint-stock company and giving the right to receive an appropriate share of its profit.
32. Selling goods, technologies and services abroad to sell them on the foreign market.
33. Property, documents that are the guarantor of the performance of contractual obligations.
35. The obligatory fee established by the state paid by the enterprise, institutions and the population, charged by the state by virtue of its right to a part of the income without return services.
37. An agreement defining the mutual rights and obligations of the contracting parties.
39. The quantity of goods that buyers want and can buy at a certain price in a certain market at a certain point in time.
40. Remuneration for labor.
41. The tax rate per unit of taxation.
43. A type of good whose production and consumption occurs simultaneously.
44. The purchase of foreign goods, technologies and services into the country from abroad to sell them on the domestic market of the country.



Crossword №3

1. I _repeat a sense of the fundamental decencies is parceled out unequally at birth.
2. The boy's back was_ with sweat.
3. The tax breaks should help to _ the economy.
4. He has no _ of leaving the political stage.
5. Students are _ from some classes in the curriculum for religious reasons.
6. We celebrated the _ our goals.
7. Is that price retail or _?
8. He showed himself a _ ruler.
9. The _ along the coast support a remarkable profusion and animals.
10. Hunger gave their faces a _ look.
11. He had been taught to observe the ordinary_ .
12. A feeling of sadness _ on me.
13. The main aim of the _ is to showcase British design.
14. He _ a hand in greeting.
15. His relaxed exterior hides an extremely _ mind.
16. He clamored for justice and_ .
17. He _ his eyes and went to sleep.
18. The door opened with a_ .
19. The company wants to _ its brands more effectively.
20. It is an _ that pays 5 percent.
21. The drunk man _ over to our table.
22. Her actions _ of logic.
23. I'll never know... what the managing director of Ginei Studios... saw in a _ little girl on her way to school.
24. She was destitute and _ since her husband walked out on her.
25. The _ on the uniform gives it a smart look.
26. Be careful with that vase - it's very_ .
27. The engine _ cut out.
28. Elsie _ something I couldn't catch and walked off.
29. She left the door_ .
30. The question is not _ to one asked earlier.
31. The boss _ about possible layoffs.
32. We're focusing too much on _ details.
33. Indications of movement deep into something.
34. He met an untimely_ .
35. The plot gets more and more_ as the story continues.
36. The material from which the hair is made for the scarecrow. This phrase includes the word hair.
37. A flower with a _ stem.
38. I shall not _ this insensitive remark with an answer.
39. Her key hung on a _ around her neck.
40. I became rather _ after I stopped exercising regularly.
41. A _ place to rest and think.
42. We decided to _ the trip.
43. He entertained the whole table with his _ remarks.
44. Service that is the essence of _ the waiters pull out your chair for you and evenplace your napkin on your lap.
45. She dived into the pool, making scarcely a_.
46. He expressed some fairly _ criticisms.
47. Such changes are _ to even the best-trained eye.
48. He _ his chance.
49. He admits a certain _ for his days as governor.



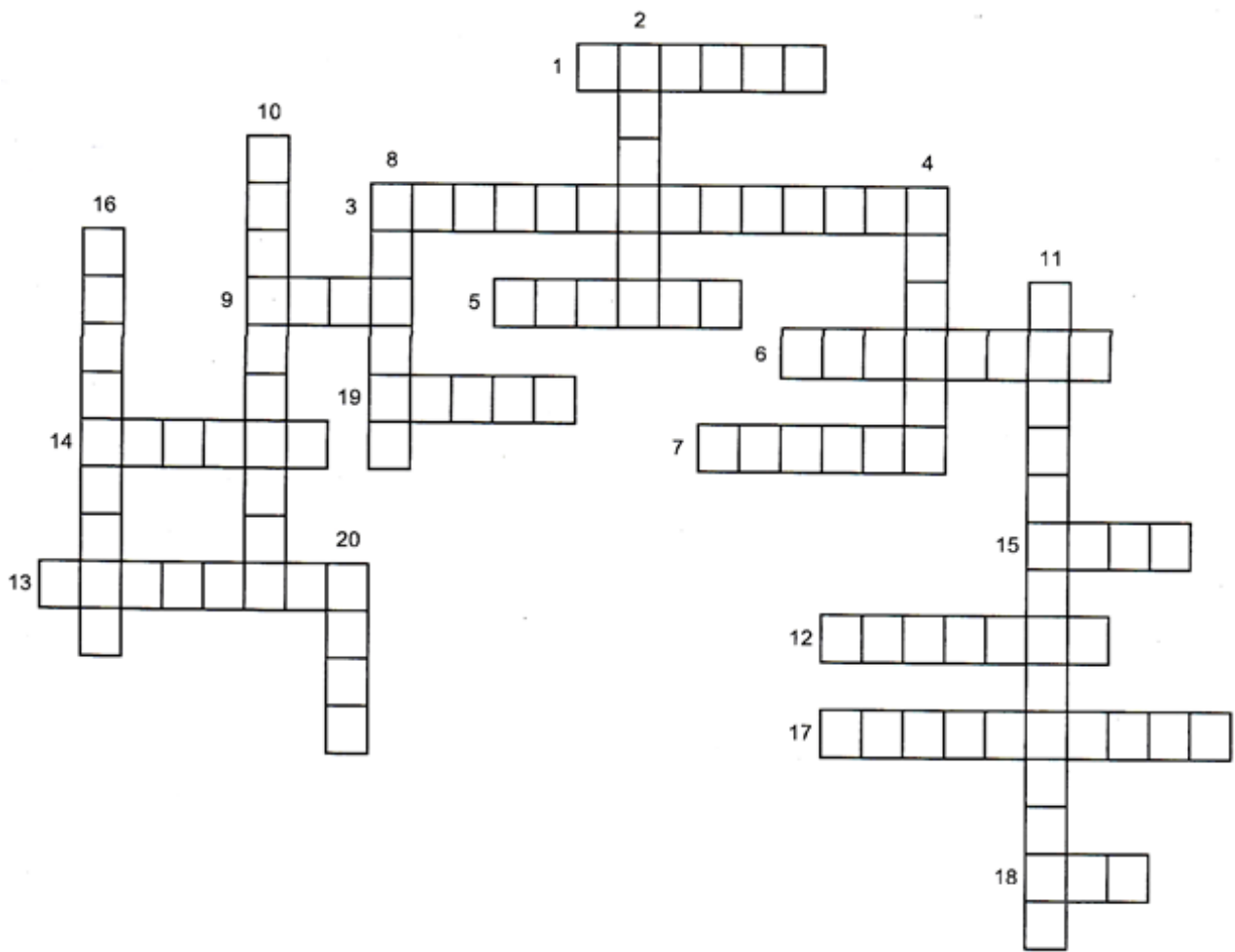
Crossword №4

Horizontally:

1. The position of its subjects established by the norms of law, the totality of their rights and obligations.
3. It is a branch of law (a system of legal norms) regulating public relations in the sphere of administrative activities of state bodies and officials.
5. An organization that has separate property and is responsible for its obligations may, on its behalf, acquire and exercise civil rights and bear civil obligations... .
6. Historical and legal science that studies and identifies historical patterns of development of the system of state and law.
7. The concept of jurisprudence, one of the types of regulators of public relations.
9. Set of legal rules governing obligations arising from the infliction of harm.
12. Synonym of the postal address (location) of the permanent Executive body of a legal entity.
13. Branch of law regulating public relations related to the Commission of criminal acts, the imposition of punishment and the application of other measures of a criminal legal nature.
14. It is the organization, firm, company registered in the order established by the law.
15. This is a kind of semiotic system, a set of sentences, words, formulations, with which the message is transmitted.
17. This is an established procedure for registration, implementation into law of relevant social, political, economic and other interests.
18. Age, with the achievement of which, according to legislative norms, comes full civil capacity.
19. This is a natural or legal person who owns, uses and disposes of property on the basis of a document confirming this right.

Vertically:

2. This is a system of relations in which the property originally owned by the founder is transferred to the Trustee.
4. Professional ethics of a lawyer.
8. Preparation of bills and adoption of laws in accordance with the rules of the legislative process.
10. These are special laws, other regulations, rules, procedures and measures that ensure the protection of information on a legal basis.
11. This is a branch of law that establishes and establishes the foundations of the state system, ensures respect for human rights.
16. The procedure established by law for the initiation, investigation, judicial review and resolution of criminal cases.
20. It is a branch of law that combines features of many legal systems.



Crossword №5

Horizontally:

1. This is the process of reducing the value of the national currency in relation to foreign.
2. This is the official communication to the state authorities of data on income, the quantity of goods produced, its quality or cash assets, etc.
5. A quantitative ratio consisting of two parts that must be equal to each other.
7. A set of technical, economic, environmental parameters characterizing the essence of the object.
9. Legal entity, an individual who has entered into an employment relationship with an employee.
11. Financial and credit organization that performs various types of operations with money and securities.
12. Movement of goods from one owner to another.
14. A kind of digital currency, the creation and control of which are based on cryptographic methods.
21. A person acting on behalf of someone, a representative of an organization, institution, and so on performing orders.
22. Branch of economy and type of economic activity aimed at the implementation of the purchase and sale, exchange of goods, as well as related processes.
23. Specialist in Economics or its sections, expert on economic issues of industry, agriculture, banking and so on.
24. Non-performance of the loan agreement, that is, non-payment of interest or principal on debt obligations.
26. A person engaged in entrepreneurial activity.
27. The component part of the price of goods, the difference between the retail and wholesale price of goods, necessary to cover the costs and average profits of trade enterprises.
28. An innovation that is implemented or is being implemented to improve the efficiency of processes.
32. A set of marketing activities aimed at increasing the share of goods, services, companies or brands; attracting new customers.
35. Lack of any resource (including consumer) in microeconomics; excess of expenses over incomes.
37. Built according to certain rules, a continuous sequential chain of blocks containing information.
38. A branch of economic theory that studies the functioning of economic agents in the course of their production, distribution, consumer and exchange activities.
39. One of the forms of pledge, in which the mortgaged property remains in the possession and use of the debtor, and the creditor, in case of default by the debtor of its obligations, acquires the right to obtain satisfaction through the sale of the property.
40. Accounting specialist, working on the accounting system in accordance with the current legislation.
41. This is a market structure in which a large enterprise controls the production and sale of one or more types of products, there is no competition in the market.

Vertically:

3. The consumer of a certain type of services or goods.
4. Permission for the right of certain actions, which can be confirmed by the document of the same name.
6. Fruitfulness, productivity of industrial activity of people.
8. Persons performing, unlike workers, administrative, managerial functions, office workers.
10. A subject of labor law, an individual working under an employment contract with an employer

and receiving a salary for it.

13. It is a comprehensive legal and financial characteristics of the borrower, allowing to assess its ability in the future to fully and on time to pay the loan.

15. The state institution through which all imported and exported goods are obliged to be imported into and exported from the territory of the country.

16. The placement of capital with the aim of making a profit.

17. Increasing the overall level of prices for goods and services for the long term.

18. Physical, legal person or one of participants of civil legal relationship which has the right to demand from other participant of such legal relationship -- the debtor of certain behavior.

19. This is a moral or material responsibility assumed by a person, state, enterprise, for the performance, compliance with any obligations.

20. This is the amount expressed as a percentage of the amount of the loan that the borrower pays for the use of borrowed money based on a certain time interval.

25. The use of the product in the process of meeting the needs.

29. This is the relationship between the price and the quantity of goods that buyers can and want to buy at a certain price, in a certain period of time.

30. The transfer of 'someone's' property into the possession of someone after paying the value to its former owner.

33. This information of any nature, which is protected by the regime of trade secrets and can be the subject of sale or used to achieve a competitive advantage over other business entities.

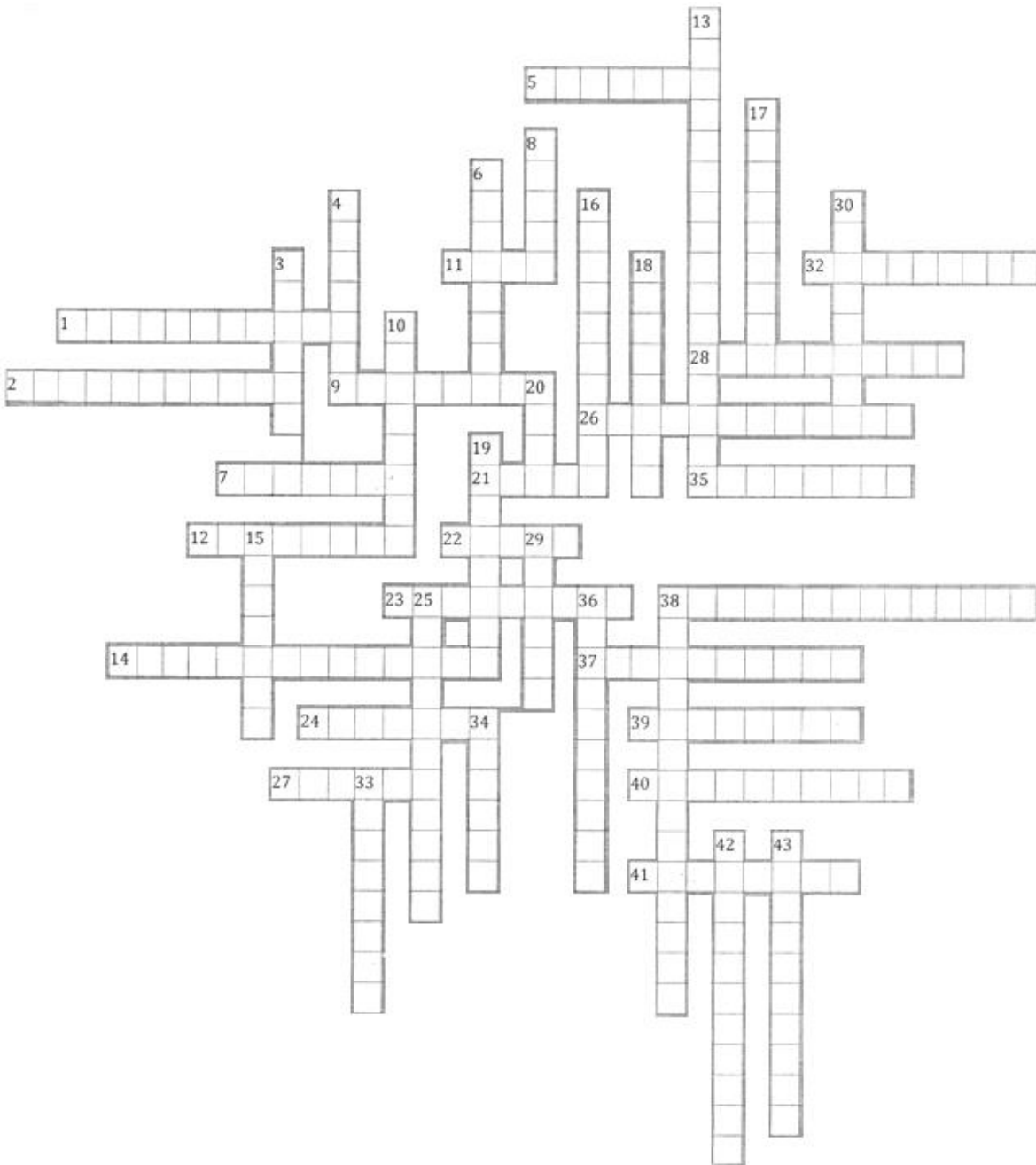
34. Rate or payment for various production and non-production services provided by companies, organizations, institutions.

36. Payments provided at the expense of the state or local budget, as well as payments from special funds for legal entities and individuals.

38. Is a branch of economic theory that studies the functioning of the economy as a whole.

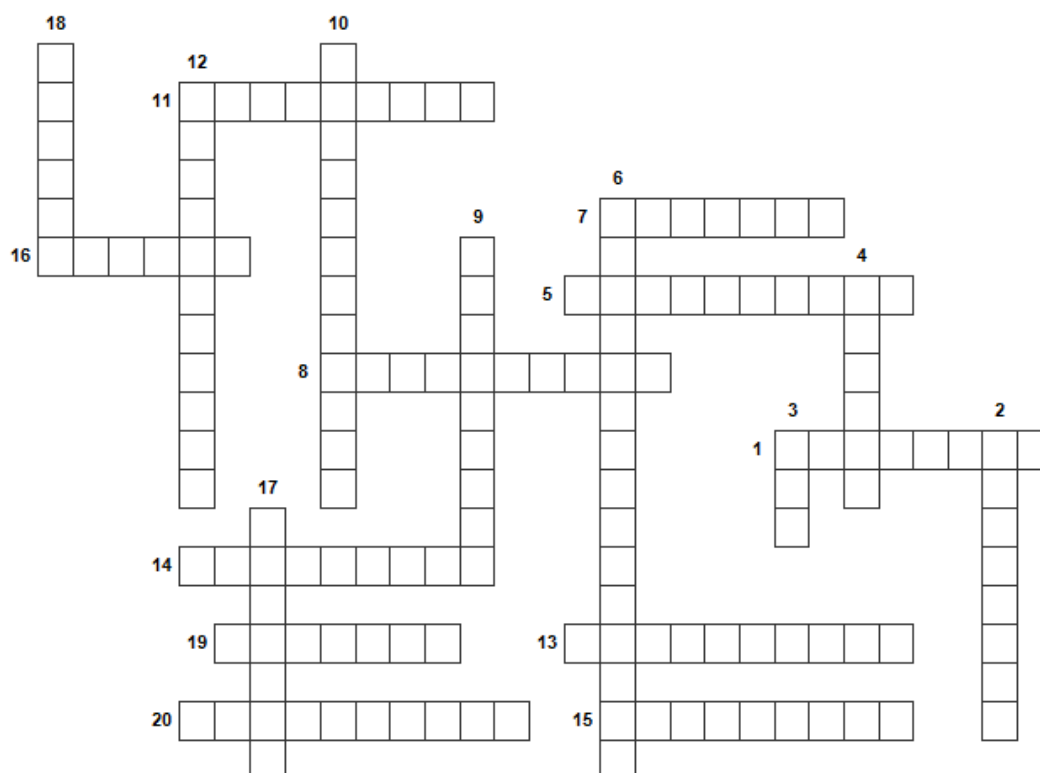
42. An orderly system of collecting, recording and summarizing information in monetary terms about the state of property, liabilities and capital of the organization and their changes.

43. The right to delay payment of a debt obligation, granted in administrative or judicial proceedings.



Crossword №6

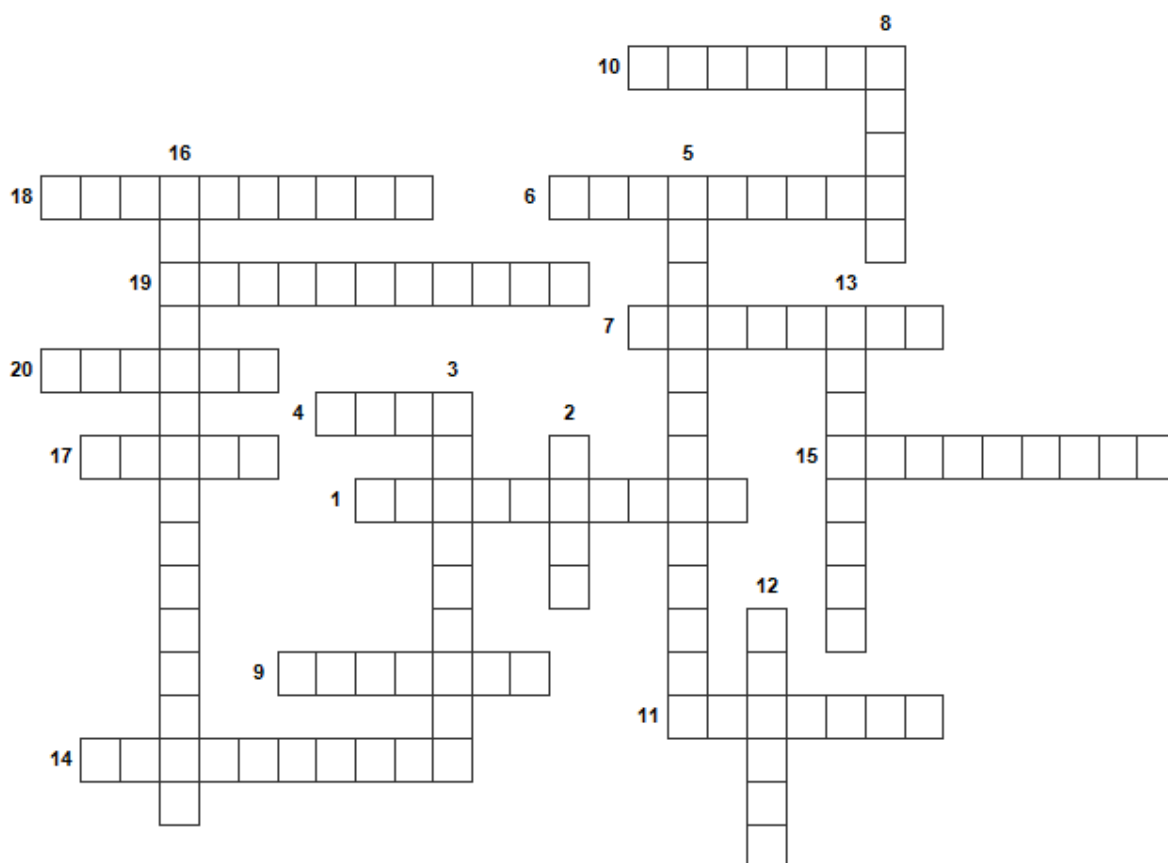
- 1) circulation of many and goods for reproduction, profit.
- 2) What relates to the economic activity of the society.
- 3) mandatory contributions of the payer.
- 4) remuneration for work.
- 5) this is the transfer of accused funds for a certain period to a separate account with the possibility of their use.
- 6) professional training of employees to improve their skills.
- 7) a person who has entered a new job and is on production.
- 8) the placement of capital which the aim of making a profit.
- 9) the existing untapped potential.
- 10) formation of the earth's crust, the properties of which allow their effective use in the field of material production.
- 11) increasing the overall level of prices for goods.
- 12) the amount specified as a percentage of the loan amount paid by the recipient of the loan for the use of it.
- 13) compensated by income.
- 14) cost associated with the production of goods.
- 15) subject of labor law.
- 16) terminator of employment relationships between employer and employee.
- 17) who stopped working after reaching the president age.
- 18) sustainable direction of development of a certain phenomenon.
- 19) it is a system of economic relations.
- 20) a person of working age who is able and willing to work, but does not have a job for reason beyond his control.



PHYSICAL CROSSWORDS

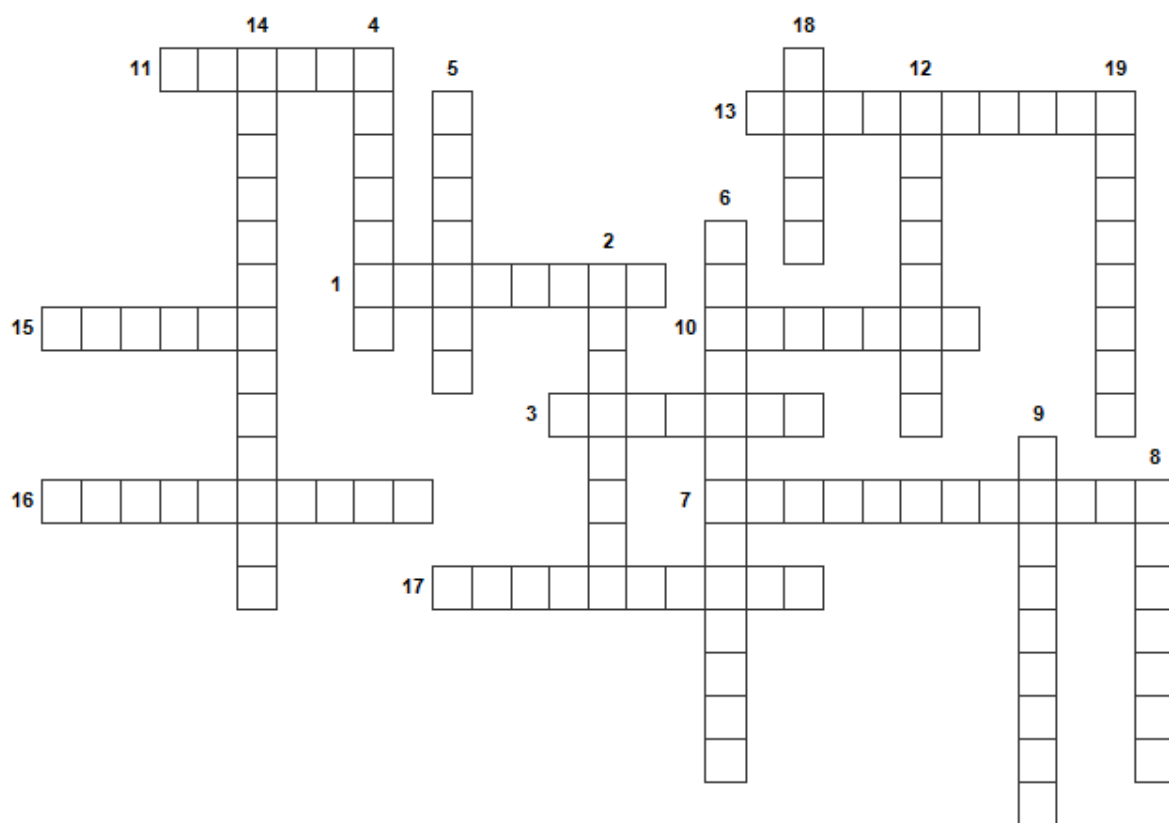
Crossword №1

1. Технологии.
2. Луна.
3. Механизм.
4. Атом.
5. Изобретение.
6. Религия.
7. Подробный.
8. Приведение.
9. Ядро.
10. Ведущий, лидирующий.
11. Естественный.
12. Вещество, материал.
13. Освещение.
14. Философия.
15. Человечество.
16. Электромагнитный.
17. Камень.
18. Научный.
19. Объяснение.
20. Протон.



Crossword №2

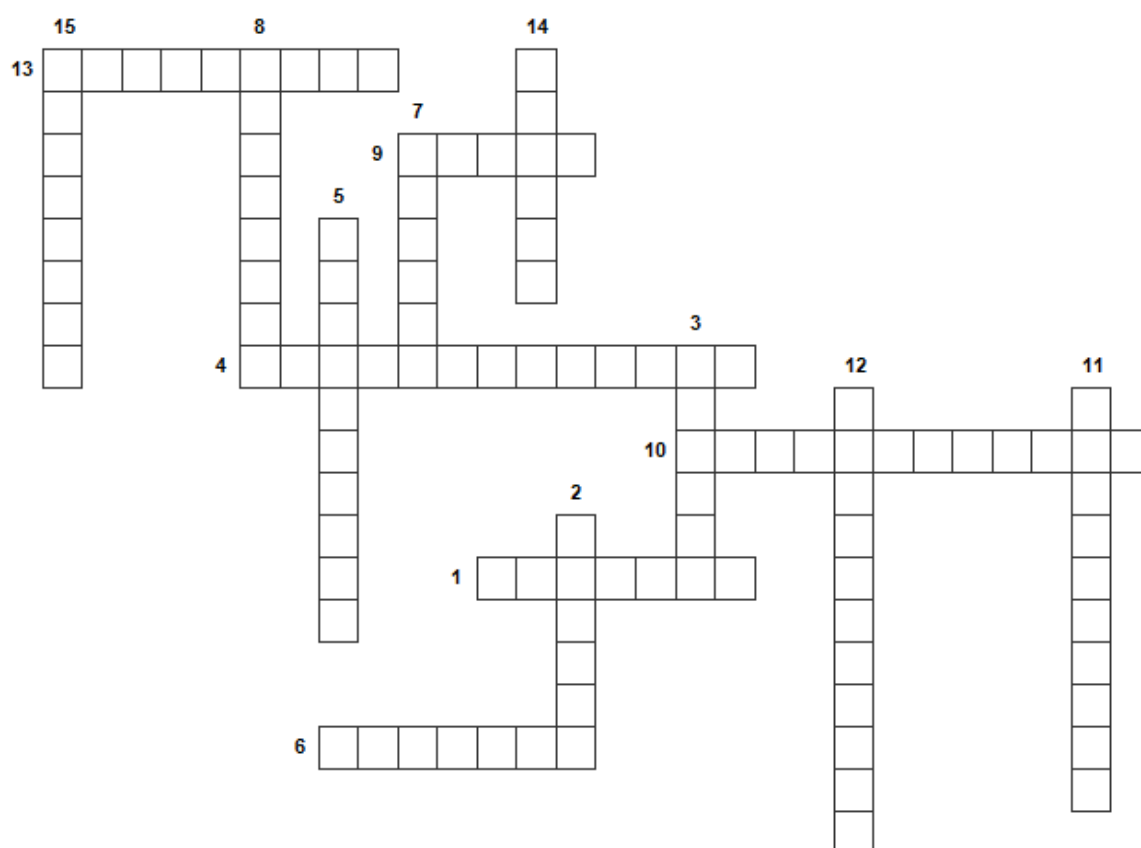
1. Мыслители.
2. Показанный.
3. Выполнять.
4. Усилия.
5. Физики.
6. Радиоактивность.
7. Вычисления.
8. Успех.
9. Микрочип.
10. Динамика.
11. Будущее.
12. Уходящий на пенсию человек.
13. Эксперимент.
14. Термодинамика.
15. Земля.
16. Феномен.
17. Основа, фундамент.
18. Внешний.
19. Теории.



Crossword №3

1. Гравитация.
2. Природа.
3. Планета.
4. Отношения.
5. Философия.
6. Деревня.
7. Объект.
8. Календарь.

9. Орбита.
10. Достижения.
11. Отчим.
12. Измерение.
13. Критика.
14. Рыцарь.
15. Исчисление.



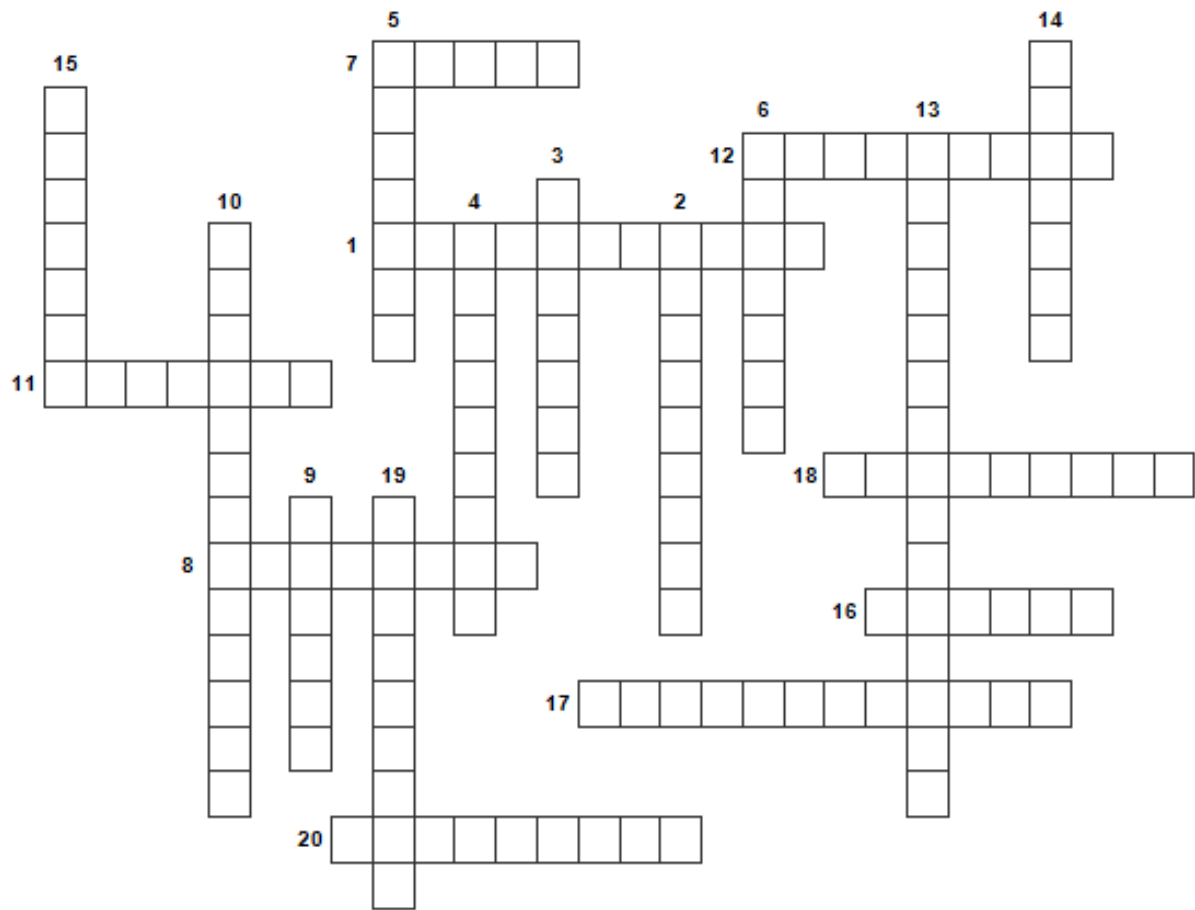
Crossword №4

По вертикали:

2. Application of scientific knowledge to solve practical problems.
3. Discovered the motion of the Earth around the Sun.
4. Liquid or solid particles.
5. Laid the foundations of electrodynamics.
6. Elementary particle.
9. Discovered the law of gravity.
10. The property of nuclei to change and give radiation.
13. A device that creates a magnetic field when an electric current passes through it.
14. Discovered electromagnetic induction.
15. Transfiguration.
19. Academic title.

По горизонтали:

1. Facts.
7. A device that converts any kind of energy into mechanical work.
8. Proven statement.
11. Study in science.
12. Movement of planets around the sun.
16. Maximum work.
17. F/m.
18. The totality of all people.
20. Change the position of the body.



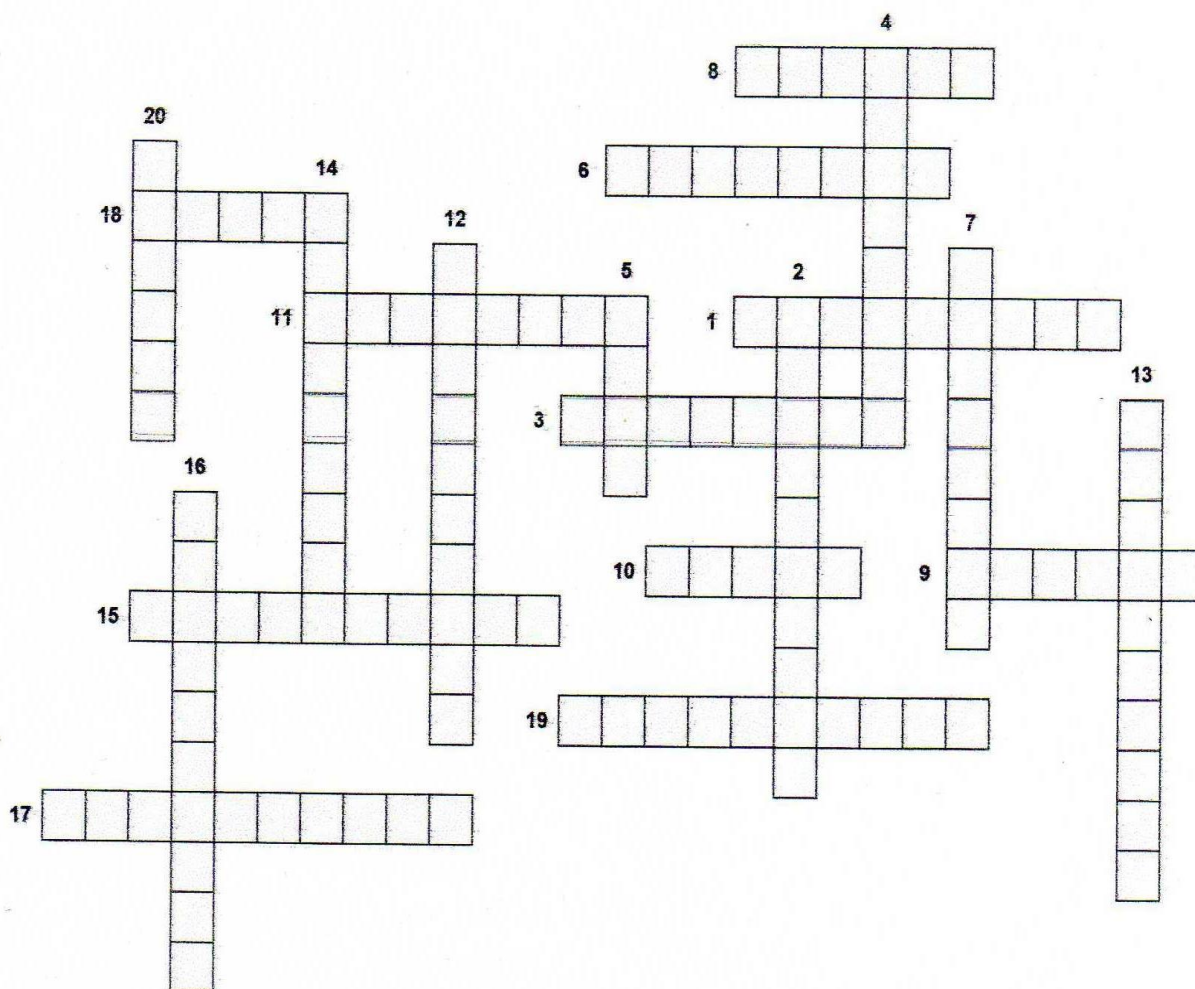
Crossword №5

По вертикали:

2. Based on the principles of science.
4. Presentation of scientific material.
5. Heavenly sanctified body.
7. The space is filled with celestial bodies.
12. Scientists in the field of physics.
13. It happened after the discovery of the solar system.
14. Maxwell opened the engine.
16. Maxwell worked for him.
20. Chemical element, gas.

По горизонтали:

1. The science of studying the universe.
3. A system of stars, dark matter, and planets.
6. The science that studies the causes of motion.
8. In physics it is electromagnetic.
9. Time of year.
10. He discovered radio waves.
11. Device to perform work.
15. Discovered the solar system.
17. The main idea of the theory.
18. The planet we live on.
19. Test of the theory.



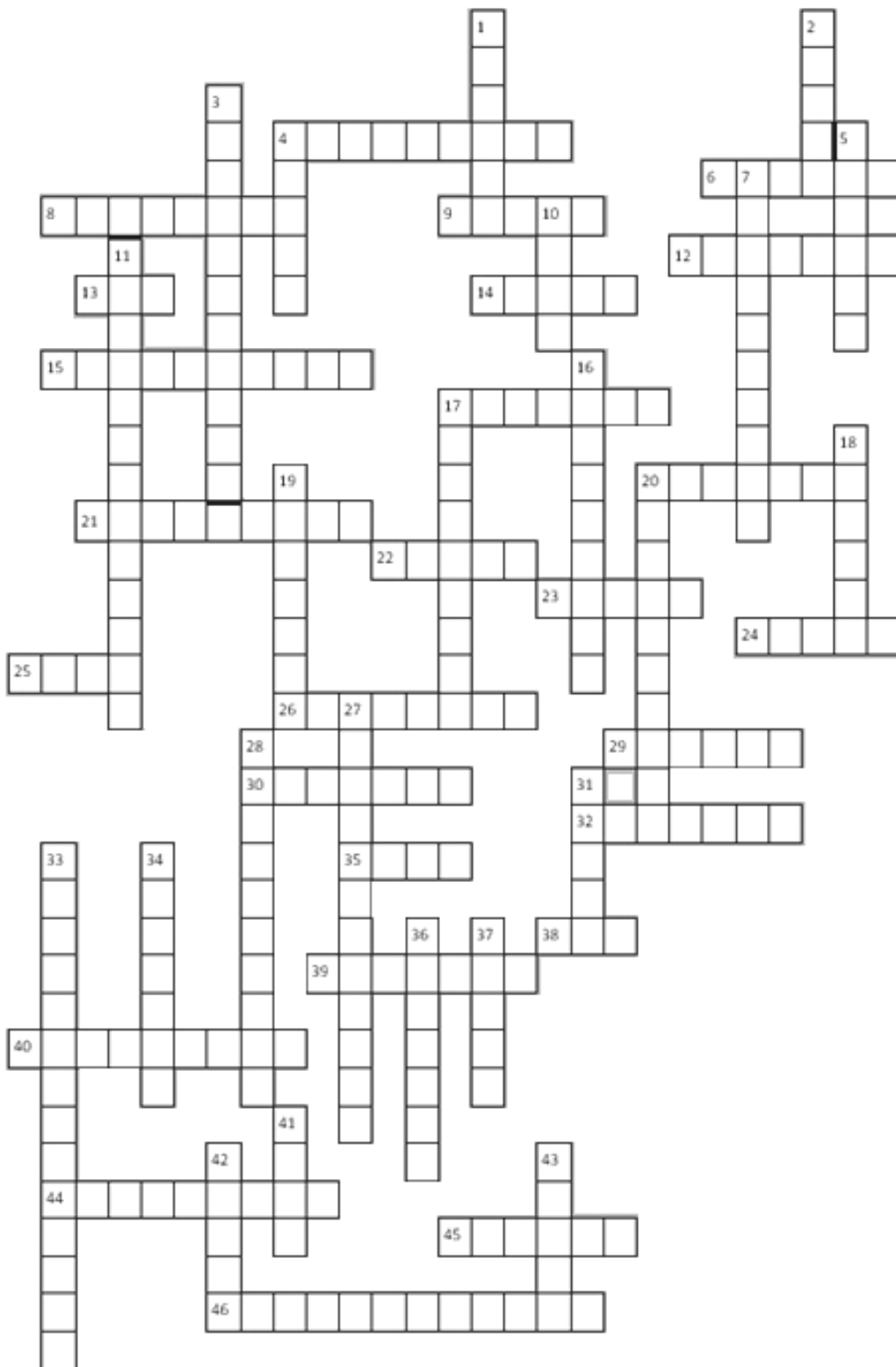
Crossword №6

Horizontally:

4) a violent and destructive shattering or blowing a part of something, as is caused by a bomb. 6) be of importance; have significance. 8) a minute portion of matter. 9) the SI unit of frequency, equal to one cycle per second. 12) literature in the form of prose, especially short stories and novels, that describes imaginary events and people. 13) a method, style, or manner of doing something. 14) the devotion of time and attention to acquiring knowledge on an academic subject, especially by means of books. 15) a person who is studying or has expert knowledge of one or more of the natural or physical sciences. 17) The branch of science concerned with the nature and properties of matter and energy. 20) a person who teaches, especially in a school. 21) construct or arrange according to a plan; give a pattern or organization to. 22) A thought or suggestion as to a possible course of action. 23) Having a considerable or sufficient amount of natural light; not dark. 24) The hard, solid, nonmetallic mineral matter of which rock is made, especially as a building material. 25) Opposite east. 26) Ascertain the size, amount, or degree of by using an instrument or device. 29) Of or relating to the present or recent times as opposed to the remote past. 30) The accomplishment of an aim or purpose. 32) The branch of science concerned with the nature and properties of matter and energy. 35) Communication and interdependence of any. phenomena of objective reality. 38. the region of the atmosphere and outer space seen from the earth. 39) a unit of electric charge equal to Faraday's constant. 40) showing curiosity or concern about something or someone; having a feeling of interest. 44) (384–322 bc), Greek philosopher and scientist. A student of Plato and tutor to Alexander the Great, he founded a school (the Lyceum). 45) One of the spouses Curie. 46) clearly show the existence or truth of (something) by giving proof or evidence.

Vertically:

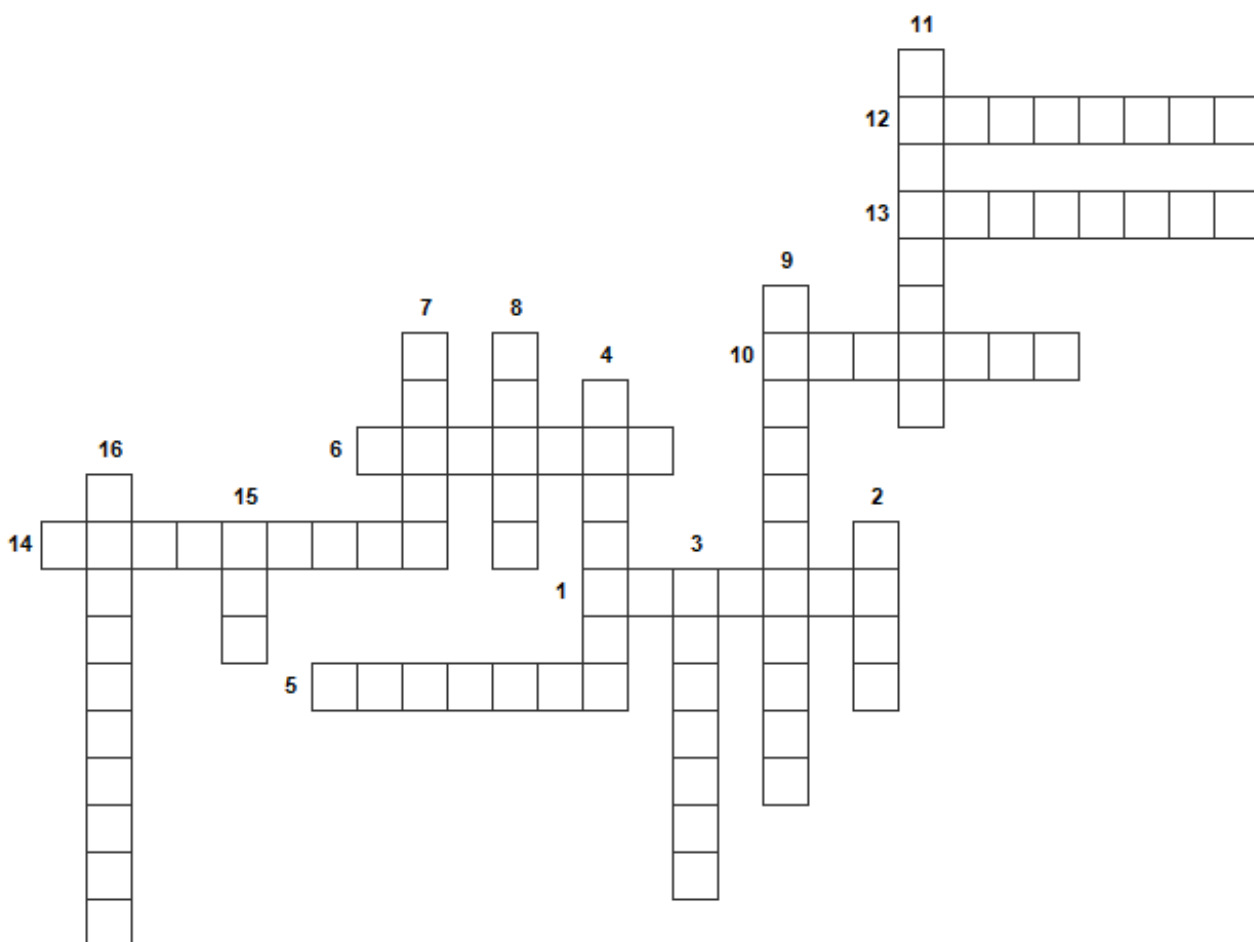
1) a machine with moving parts that converts power into motion. 2) an apparition of a dead person that is believed to appear or become manifest to the living, typically as a nebulous image. 3) a spoken or written representation or account of a person, object, or event. 4) a thing that happens, especially one of importance. 5) give a spoken or written account of something that one has observed, 7) in a manner conforming with. 10) truly. In accordance with fact or reality. 11) the emission of ionizing radiation or particles caused by the spontaneous disintegration of atomic nuclei. 16) He occurrence of a natural electrical discharge of very short duration and high voltage between a cloud and the ground or within a cloud, accompanied by a bright flash and typically also thunder. 17) A teacher of the highest rank in a college or university. 18) a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge equal in magnitude to that of an electron, but of opposite sign. 19) a discrete quantity of energy proportional in magnitude to the frequency of the radiation it represents. 20) The application of scientific knowledge for practical purposes, especially in industry. 27) Increase in the rate or speed of something. 28) An expert in or student of astronomy. 31) a small fiery particle. 33) the branch of physical science that deals with the relations between heat and other forms of energy (such as mechanical, electrical, or chemical energy), and, by extension, of the relationships between all forms of energy. 34) Scientist who discovered x-rays. 36) a unit of magnetic flux in the , equal to that induced through one square centimeter by a perpendicular magnetic field of one gauss. 37) the transmission and reception of electromagnetic waves of radio frequency, especially those carrying sound messages. 41) a formal social gathering for dancing. 42) the earth, together with all of its countries, peoples, and natural features. 43) a unit of radioactivity.



Crossword №7

1. Инерция.
2. Масса.
3. Эллипс.
4. Гравитация.
5. Алхимия.
6. Моряки.
7. Могила.
8. Цвет.

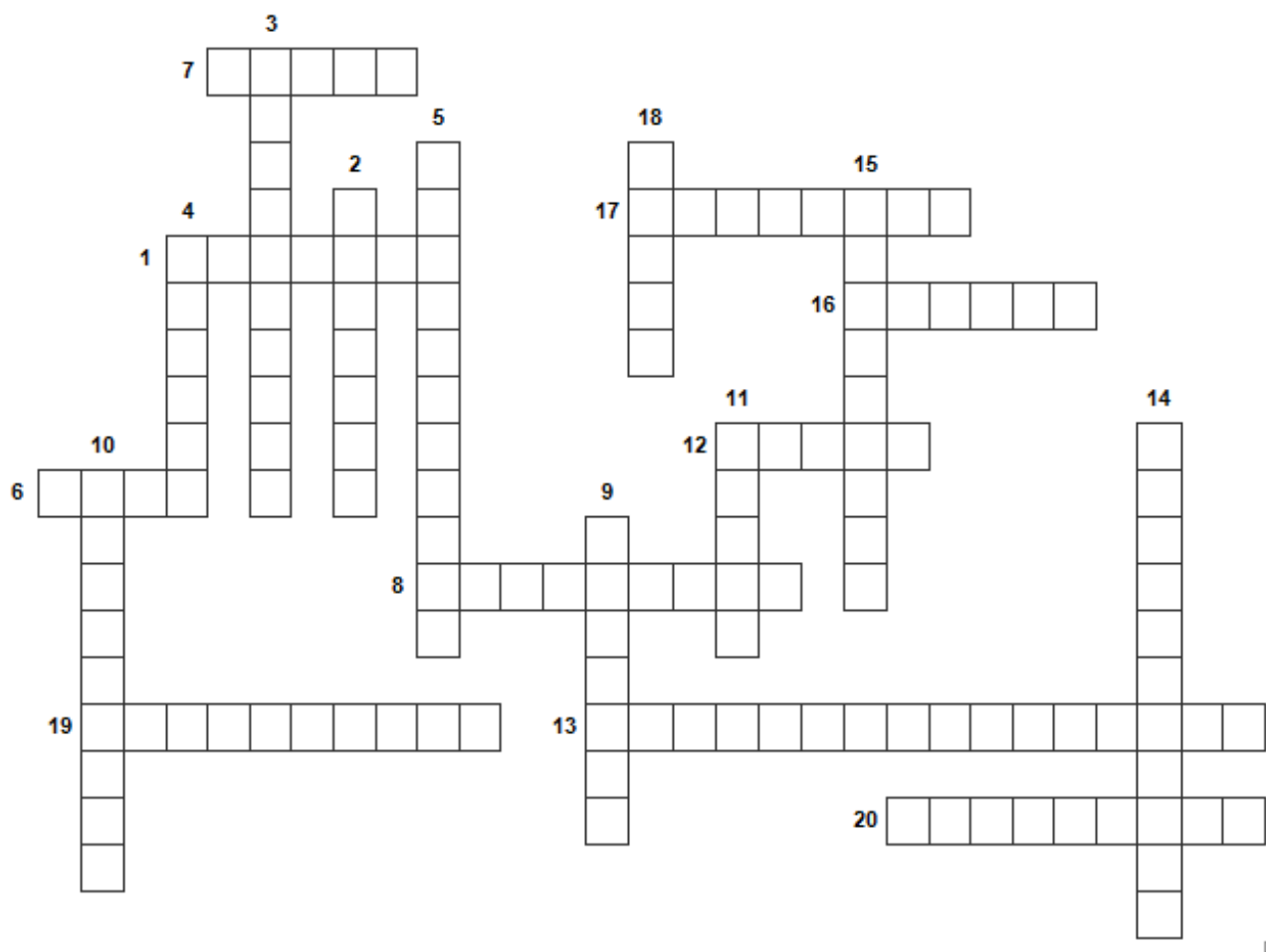
9. Геоцентризм.
10. Эпитафия.
11. Собственность.
12. Вращение.
13. Должность.
14. Телескоп.
15. Небо.
16. Размышление.



Crossword № 8

1. Ток.
2. Лекция.
3. Лаборатория.
4. Зарядка.
5. Математика.
6. Проволока.
7. Стекло.
8. Компасы.
9. Батарейка.
10. Индукция.

11. Власть.
12. Телефон.
13. Электромагнетизм.
14. Электричество.
15. Сообщество.
16. Магнит.
17. Частица.
18. Пространство.
19. Технология.
20. Взрыв.



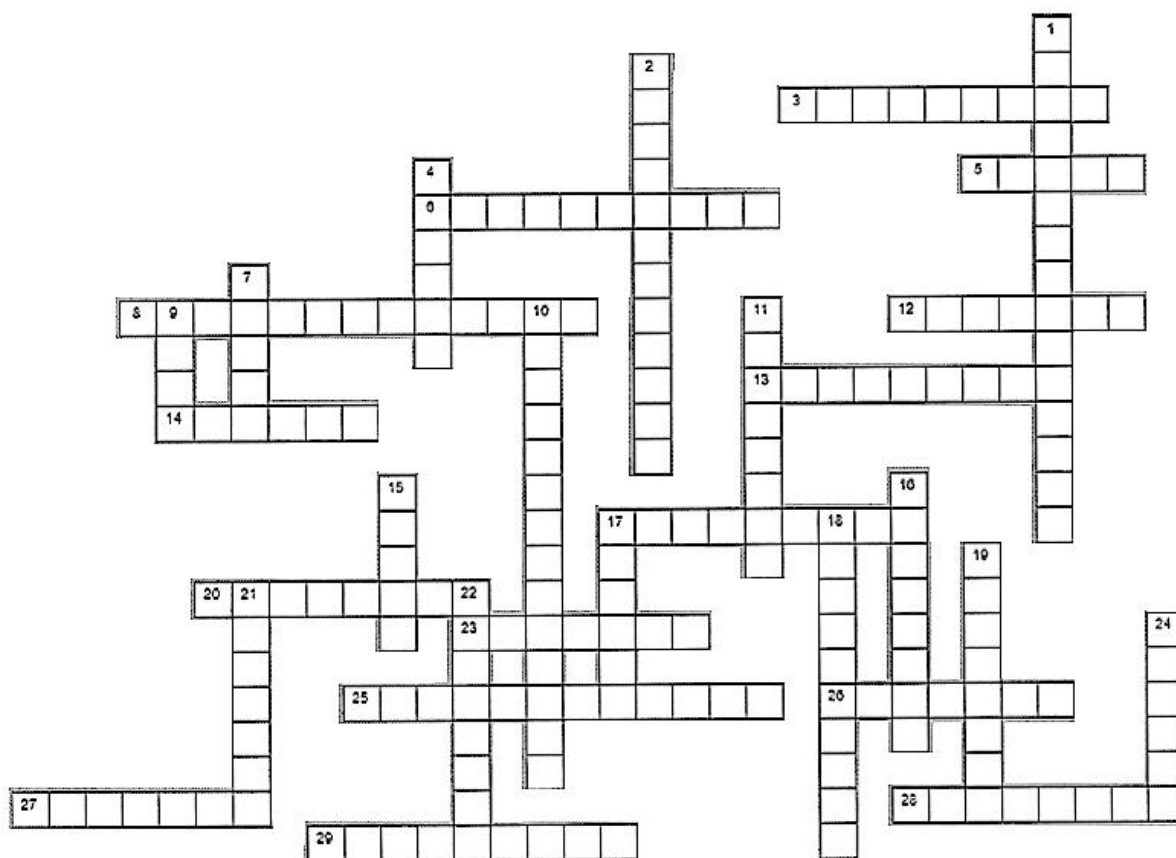
Crossword №9

По горизонтали:

3. Частицы. 5. Мотор. 6. Технология.
8. Радиоактивность. 12. Объяснять.
13. Взрыв. 14. Материя. 17. Планетарный.
20. Описывать. 23. Квант.
25. Отношение или связь. 26. Ядерный.
27. Физика. 28. Электрон. 29. Человечество.

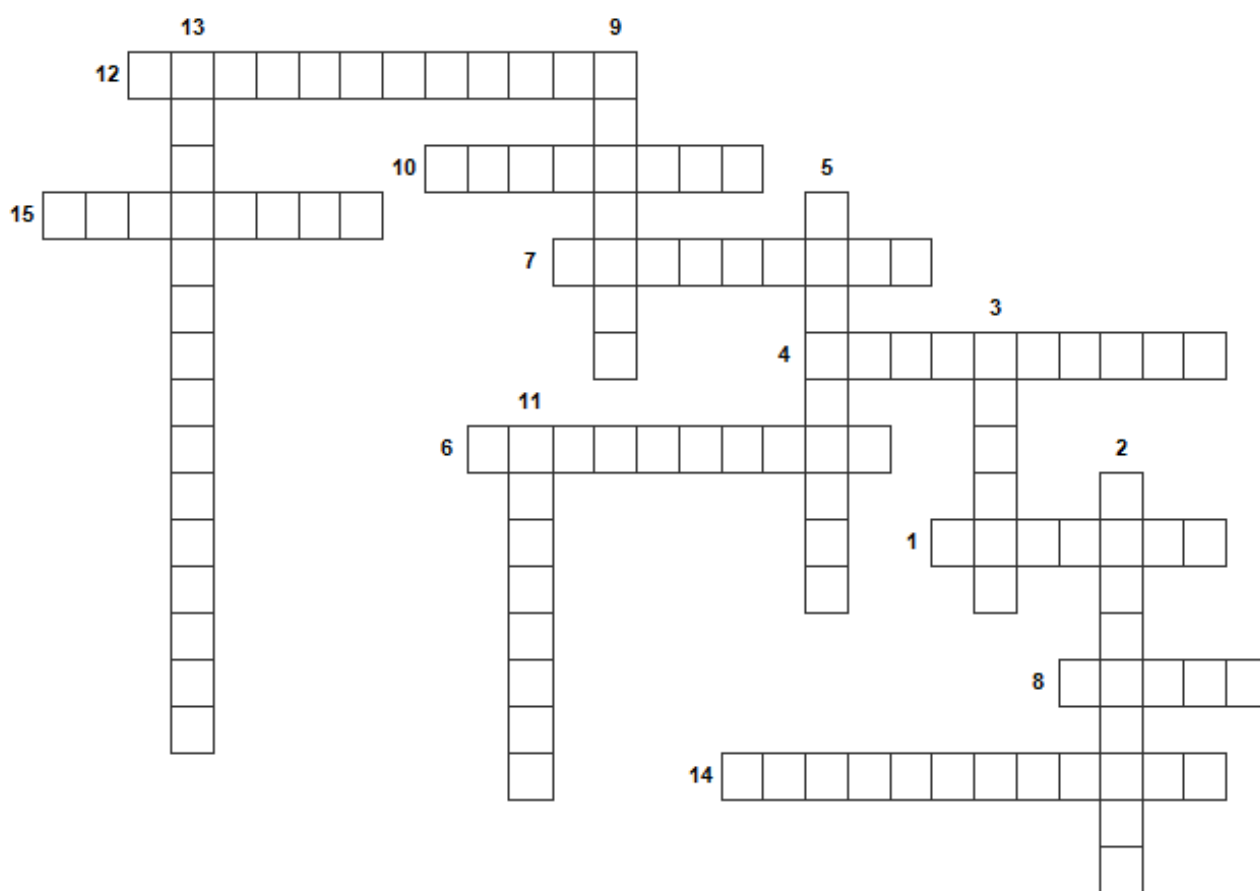
По вертикали:

1. Электромагнитный. 2. Развития.
4. Атомный. 7. Свет. 9. Атом.
10. Термодинамика. 11. Теории. 15. Радио.
16. Динамика. 17. Протон. 18. Астроном.
19. Вселенная. 21. Двигатели.
22. Уравнение. 24. Движение.



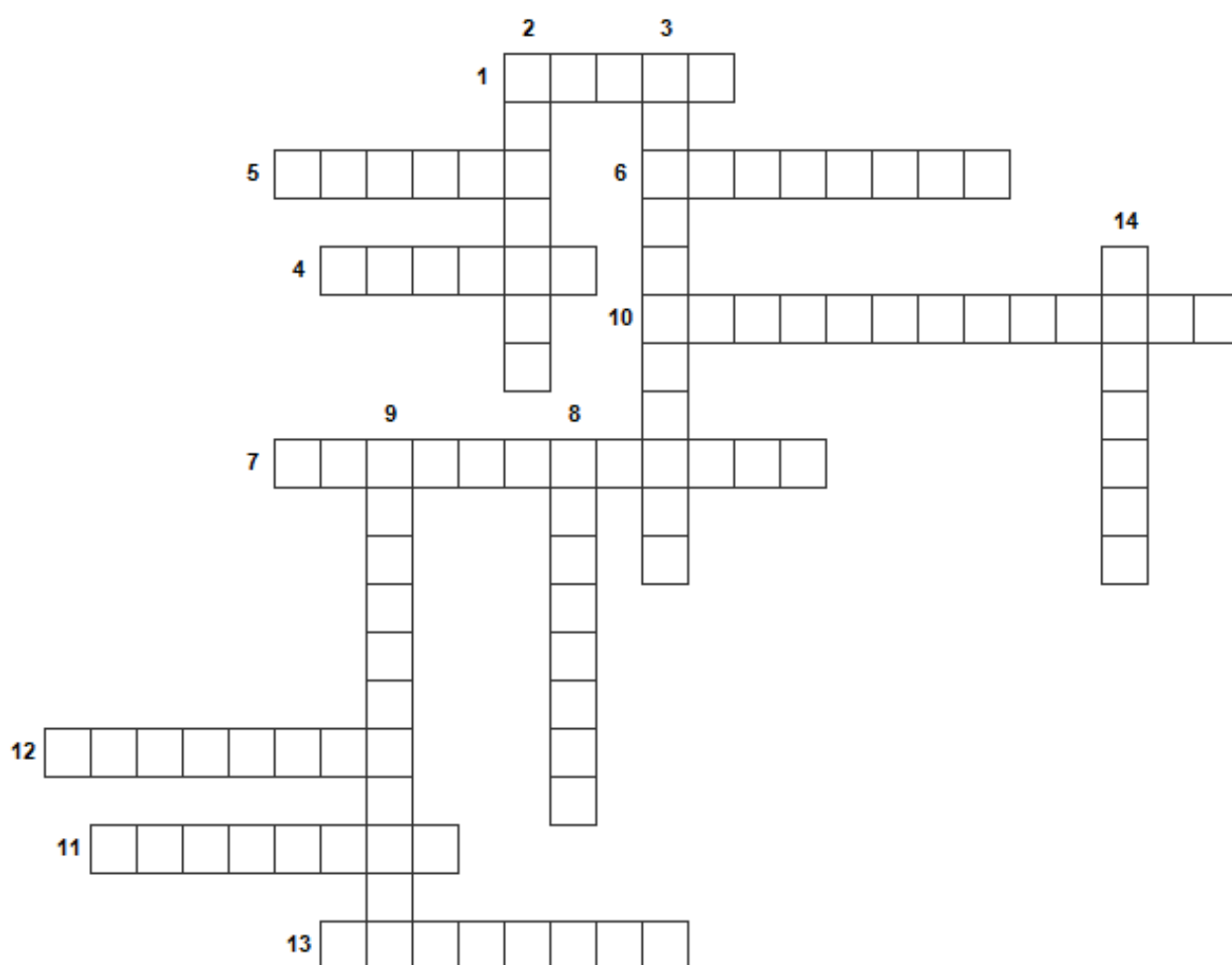
Crossword №10

1. Напряжение.
2. Частицы.
3. Действие.
4. Исследования.
5. Микрочип.
6. Зависимость.
7. Столкновение.
8. Провода.
9. Моряки.
10. Частица.
11. Исследователь.
12. Расчеты.
13. Сила притяжения.
14. Случайно.
15. Зарядка.



Crossword №11

1. Мощность.
2. Прогнозируйте.
3. Оценки.
4. Статика.
5. Головоломка.
6. На самом деле.
7. Станки.
8. Уравнение.
9. Удобный.
10. Прикладное давление.
11. Опишите.
12. Катализатор.
13. Генерировать.
14. Ток.



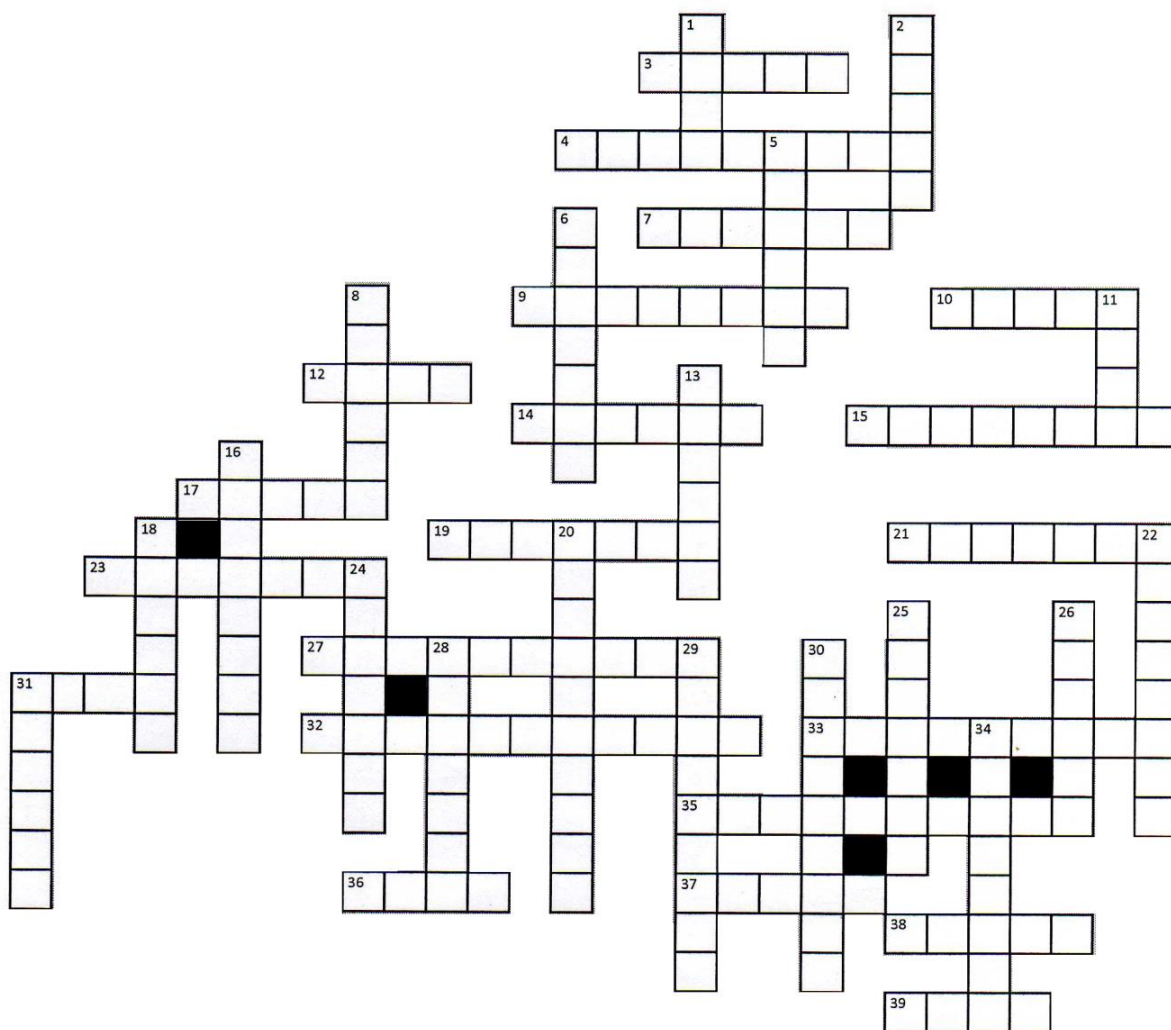
Crossword №12

По горизонтали:

3. Магия. 4. Взрыв. 7. Энергия.
9. Компьютер. 10. Привидение. 12. Атом.
14. Центр. 15. Нерешенный. 17. Довольно.
19. Наука. 21. Пример. 23. Физика.
27. Феномен. 31. Звезда. 32. Электричество.
33. Проводник. 35. Революция. 36. Работа.
37. Свет, 38. Мир. 39. Идея.

По вертикали:

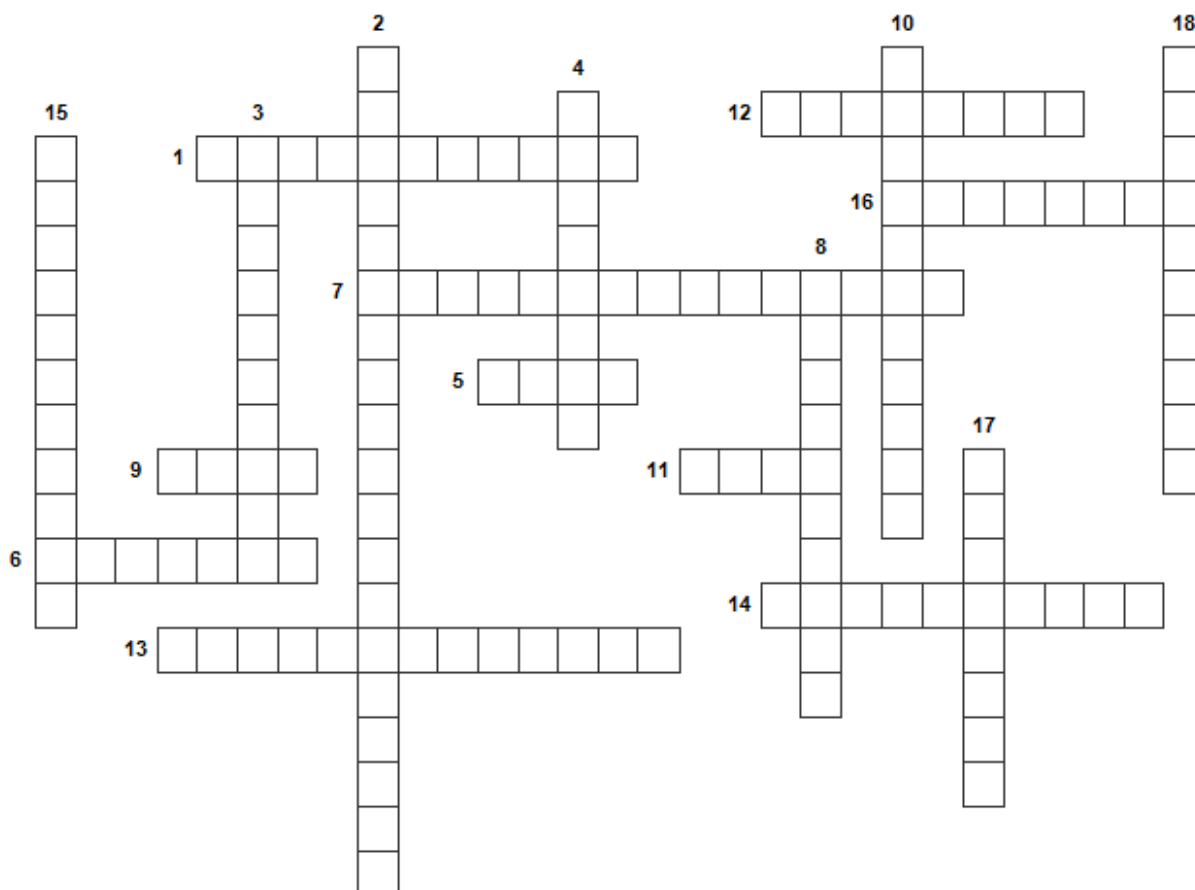
1. Шар. 2. Неправильный. 5. Опрос.
6. Проблема. 8. Будущее. 11. Время.
13. Путешествовать. 16. Вопрос. 18. Теория.
20. Эксперимент. 22. Электрон. 24. Ученый.
25. Квантовый. 26. Протон. 28. Ядерный.
29. Натуральный. 30. Микрочип.
31. Статический. 34. Вселенная.



Crossword №13

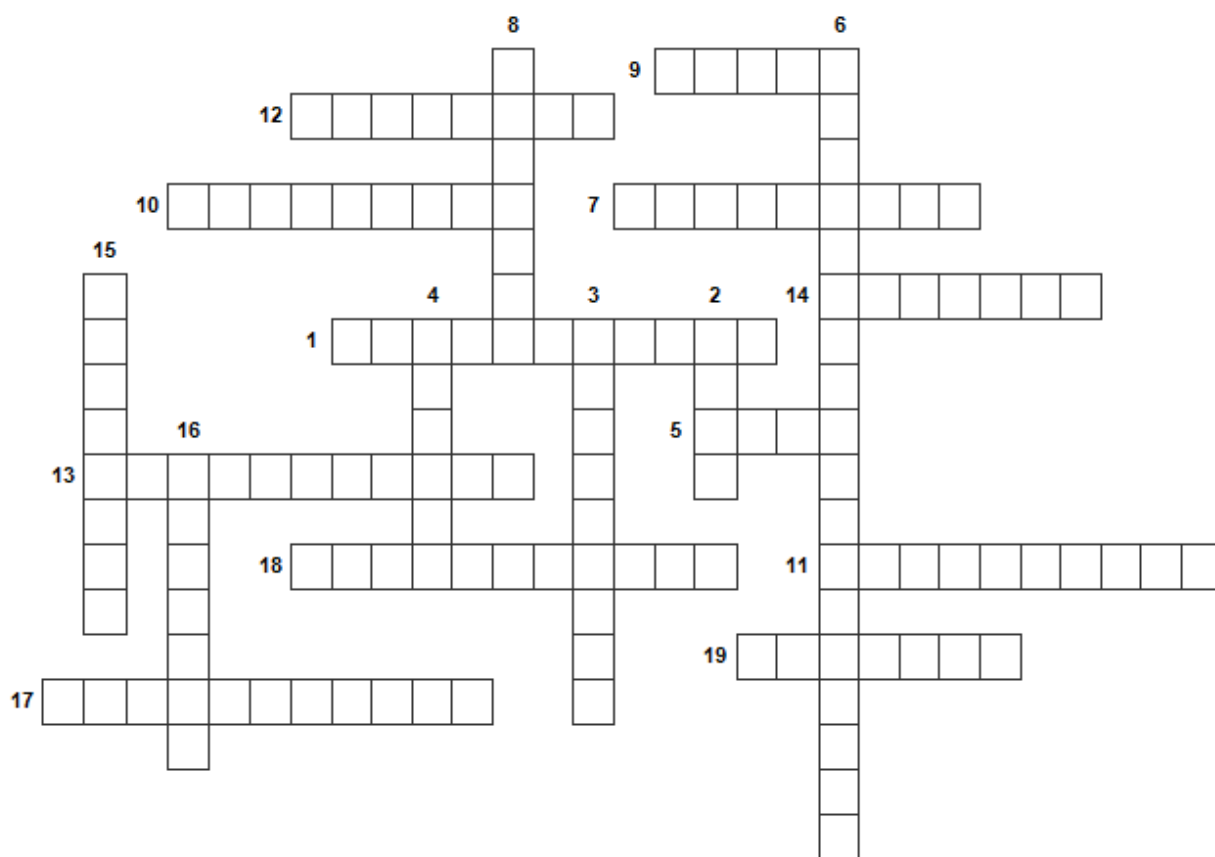
1. Измерение.
2. Бытовая техника.
3. Эксперимент.
4. Проценты.
5. Толчок.
6. Усилия.
7. Высшее образование.
8. Технология.

9. Идея.
10. Развитие.
11. Пешка.
12. Движение.
13. Шаровая молния.
14. Фонд.
15. Черная материя.
16. Уравнение.
17. Человечество.
18. Феномен.



Crossword №14

1. Чистота.
2. Звезда.
3. Изобретение.
4. Двигатель.
5. Атом.
6. Система планет.
7. Столкновение.
8. Версия.
9. Орбита.
10. Вопросы.
11. Философия.
12. Проблемы.
13. Объяснение.
14. Успех.
15. Вселенная.
16. Физика.
17. Описание.
18. Наблюдение.
19. Пример.



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