

UNIT 18: INVENTIONS AND DISCOVERIES

TOPIC VOCABULARY IN CONTRAST

WORDS	ENGLISH MEANING	EXAMPLE	VIETNAMESE MEANING
1. artificial (adj) /ɑːtɪfɪʃl/	made or produced to copy something natural; not real	I don't like having to do detailed work in artificial light.	- giả, không thật, giả tạo, nhân tạo
2. automatic (adj) /ɔːtə'mætɪk/	having controls that work without needing a person to operate them	My camera has manual and automatic functions.	- tự động
3. complicated (adj) /'kɒmplɪkətɪd/	made of many different things or parts that are connected; difficult to understand	The instructions look very complicated.	- phức tạp
4. decrease (v, n) /dɪ'kriːs/	to become smaller in size, number, etc.; to make something smaller in size, number, etc.	Donations have decreased significantly over the past few years.	- giảm
5. digital (adj) /'dɪdʒɪtl/	using a system of receiving and sending information as a series of the numbers one and zero, showing that an electronic signal is there or is not there	The system is fully digital, with no analogue components.	- biểu thị bằng con số, kĩ thuật số
6. discover (v) /dɪ'skʌvər/	to be the first person to become aware that a particular place or thing exists	They first discovered this protein about five years ago.	- khám phá ra
7. effect (n) /i'fekt/	a change that somebody/something causes in somebody/something else; a result	What are the long-term effects of this treatment?	- sự ảnh hưởng, sự tác động
8. equipment (n) /ɪ'kwɪpmənt/	the things that are needed for a particular purpose or activity	Take care when using old electrical equipment.	- trang thiết bị
9. estimate (v) /'estɪmeɪt/	to form an idea of the cost, size, value etc. of something, but without calculating it exactly	This made it possible to estimate the effect of workplace ventilation.	- ước tính
10. exact (adj) /ɪɡ'zækt/	correct in every detail	It is an exact copy of the original document.	- chính xác
11. experiment (v, n) /ɪk'sperɪmənt/	a scientific test that is done in order to study what happens and to gain new knowledge	If the conditions are not right, the experiment will not work.	- thí nghiệm
12. gadget (n) /'ɡædʒɪt/	a small tool or device that does something useful	We live in a world filled with high-tech gadgets.	- dụng cụ
13. hardware (n) /'hɑːrdwɛr/	the machines and electronic parts in a computer or other electronic system	We supply computer hardware to businesses.	- phần cứng (máy tính)
14. invent (v) /ɪn'vent/	to produce or design something that has not existed before	Who invented the steam engine?	- phát minh
15. involve (v) /ɪn'vɒlv/	if a situation, an event or an activity involves somebody/something, they take part in it or are affected by it	There was a serious incident involving a group of youths.	- lôi kéo vào, bao gồm
16. laboratory (n) /lə'bɒrətɪrɪ/	a room or building used for scientific research, experiments, testing, etc.	She has donated money to establish a pharmaceutical laboratory.	- phòng thí nghiệm
17. lack (v, n) /læk/	to have none or not enough of something	The team lacked the skill to compete at the highest level.	- thiếu
18. laptop (n) /'læptɒp/	a small computer that can work with a battery and be easily carried	I opened my laptop and started typing.	- máy tính xách tay
19. maximum (adj) /'mæksɪmə/	used after amounts to show that the amount is the highest possible	The table has a length of four feet maximum.	- tối đa
20. minimum (adj) /'mɪnɪmə/	used after amounts to show that the amount is the lowest possible	You'll need £200 minimum for your holiday expenses.	- tối thiểu
21. operate (v) /'ɒpəreɪt/	to work in a particular way	Most domestic freezers operate at below -18°C.	- hoạt động, vận hành
22. plastic (n, adj) /'plæstɪk/	a light strong material that is produced by chemical processes and can be formed into shapes when heated. There are many different types of plastic, used to make different objects and fabrics.	The pipes should be made of plastic.	- nhựa, chất dẻo

23. program (v, n) /'prəʊgræm/	a set of instructions in code that control the operations or functions of a computer	She uses a computer program to produce these maps.	- chương trình
24. research (n) /'ri:sɜ:tʃ/	a careful study of a subject, especially in order to discover new facts or information about it	They are raising money for cancer research.	- bài nghiên cứu
25. run (v) /rʌn/	to make buses, trains, etc. travel on a particular route	They run extra trains during the rush hour.	- chạy (máy móc, xe cộ)
26. screen (n) /skri:n/	the flat surface at the front of a television, computer, or other electronic device, on which you see pictures or information	They were staring at the television screen.	- màn hình
27. software (n) /'sɔ:ftwer/	the programs used by a computer for doing particular jobs	You should install antivirus software.	- phần mềm (máy tính)
28. sudden (adj) /'sʌdn/	happening or done quickly and unexpectedly	It was only decided yesterday. It's all been very sudden.	- nhanh, đột ngột
29. technology (n) /tek'nɒlədʒi/	scientific knowledge used in practical ways in industry, for example in designing new machines	This technology enables computers to read handwriting.	- công nghệ
30. unique (adj) /ju'ni:k/	being the only one of its kind	Everyone's fingerprints are unique.	- độc nhất

PHRASAL VERBS

WORDS	ENGLISH MEANING	EXAMPLE	VIETNAMESE MEANING
1. break down	- stop working (for a machine, etc)	The telephone system has broken down.	- hư, hỏng
2. come across	- find sth by chance	I came across children sleeping under bridges.	- tình cờ, ngẫu nhiên
3. find out	- discover information, etc	She'd been seeing the boy for a while, but didn't want her parents to find out.	- tìm ra thông tin
4. make up	- invent an explanation, excuse, etc	He made up some excuse about his daughter being sick.	- bịa chuyện, tạo ra lí do
5. pull over	- to move to the side of the road in order to stop or let something pass	She saw the ambulance coming up behind her and pulled over.	- tấp vào
6. throw away	- put sth in a rubbish bin	that old chair should be thrown away.	- vứt đi
7. turn off	- stop a machine working	Please turn the television off before you go to bed.	- tắt, dừng hoạt động
8. turn on	- start a machine working	Please turn the television on before you go to bed.	- mở máy

PREPOSITIONAL PHRASES

WORDS	EXAMPLE	VIETNAMESE MEANING
1. at last	He managed to squeeze through the crowd at last.	- cuối cùng
2. by chance	I got this job completely by chance.	- tình cờ
3. in my opinion	In my opinion, it's a very sound investment.	- theo quan điểm của mình
4. in the end	In the end, they decided to spend Christmas at home.	- cuối cùng
5. in the future	The movie is set in the future.	- trong tương lai
6. out of order	The car was out of order.	- bị hư

WORD PATTERNS

WORDS	EXAMPLE	VIETNAMESE MEANING
1. different from/to	Cats are different from dogs.	- khác với
2. full of	The room was full of people last night.	- nhiều, đầy
3. begin with	I'd like to begin with a simple question.	- bắt đầu với cái gì
4. connect sth to/with	I connected my computer to a print.	- kết nối cái gì với
5. disconnect sth from	My computer crashes every time I disconnect from the internet.	- ngắt kết nối từ
6. fill sth with	She filled the page with writing.	- lấp đầy cái gì với
7. result in	The cyclone has resulted in many thousands of deaths.	- dẫn đến

8. a difference between	There are no significant differences between the education systems of the two countries.	- một sự khác biệt giữa
9. an idea about	I had an idea about our new project.	- một ý kiến về
10. a number of	A number of problems have arisen.	- một số
11. a reason for	She gave no reasons for her decision.	- lí do cho
12. a type of	What type of car do you drive?	- một loại của cái gì

WORD FORMS

1. boil	/bɔɪl/	(v) sôi, luộc
2. boiler	/bɔɪlər/	(n) nồi hơi
3. boiling	/'bɔɪlɪŋ/	(adj) sôi
4. chemist	/'kemɪst/	(n) nhà hóa học
5. chemical	/'kemɪkl/	(adj) thuộc hóa học; (n) chất hóa học
6. chemistry	/'kemɪstri/	(n) hóa học, môn/ngành hóa học
7. conclude	/kən'kluːd/	(v) kết luận, quyết định
8. conclusion	/kən'kluːʒn/	(n) sự kết luận
9. examine	/ɪg'zæmɪn/	(v) kiểm tra, xem xét, khám bệnh
10. exam	/ɪg'zæm/	(n) bài thi, thi
11. examination	/ɪg'zæmɪ'neɪʃn/	(n) thi, kì thi
12. examiner	/ɪg'zæmɪnər/	(n) giám khảo chấm thi
13. fascinate	/'fæsɪneɪt/	(v) quyến rũ, hấp dẫn
14. fascination	/'fæsɪ'neɪʃn/	(n) sự quyến rũ, sự hấp dẫn
15. fascinating	/'fæsɪneɪtɪŋ/	(adj) quyến rũ, hấp dẫn
16. history	/'hɪstri/	(n) lịch sử
17. historic	/hi'stɔːrɪk/	(adj) có tính lịch sử, thuộc về lịch sử
18. historian	/hi'stɔːrɪən/	(n) nhà sử học
19. identical	/aɪ'dentɪk/	(adj) giống nhau, đồng nhất
20. identically	/aɪ'dentɪkli/	(adv) một cách đồng nhất
21. long	/lɒŋ/	(adj) dài, lâu
22. length	/leŋkθ/	(n) độ dài
23. measure	/'meʒər/	(v) đo
24. measurement	/'meʒəmənt/	(n) sự đo lường
25. science	/'saɪəns/	(n) khoa học
26. scientist	/'saɪəntɪst/	(n) nhà khoa học