1. **单词**
   1. Anyway, snowflakes have a particular form：there’s a six-sided center, with six branches or arms that radiate out from it.
   2. Depletion (耗尽，使枯竭) = exhaustion, reduction, drain, consume
      1. In modern agriculture, mineral depletion of soils is a major concern, since harvesting crops interrupts the recycling of nutrients back to the soil.
   3. The system is archaic and unfair and needs changing.
   4. The city would otherwise be bustling with noisy, unpleasant traffic congestion.
   5. Dwindle 缩小：同diminish, decrease, decline, lessen,
      1. It’s not *a remnant of some huge population(一些人口众多的遗迹)* that is dwindled in last few hundred years for some reason.
   6. Edifices 大厦，同：mansion
      1. A number of massive religious edifices.
   7. Facilitate
      1. The growth of mutual trust among merchants facilitated the growth of *sales on credit* (赊销) and led to new developments in finance, such as the bill of exchange, a device that made the long, slow, and very dangerous shipment of coins unnecessary.
      2. Facilitate the economic growth 促进经济增长
   8. Fanwise (呈扇形的)
      1. The same thing happens to this day, though on a smaller scale, wherever a sediment-laden river or stream emerges from a mountain valley onto relatively flat land, dropping its load (负载，压力) as the current slows; the water usually spreads out fanwise, depositing the sediment in the form of a smooth, fan-shaped slope.
   9. Suppress
      1. This then meant that the military had to remain to suppress rebellion and organize government.
      2. 抑制情绪 If the theory was correct, breathing air with extra carbon dioxide should have trigged yawning, while breathing pure oxygen should have suppressing yawning.(打哈欠)；suppress a smile 憋笑；
   10. Thaw Spring thaw 初春融雪季
   11. Finer 更纤细的 before the finer particles settled.
   12. Unposed pictures 偷拍照：The new candid photography-unposed pictures
   13. A rough figure 一个粗略的统计
   14. Revitalized they revitalized research into recording sound for motion pictures.
   15. The motion picture industry 电影产业
   16. Grunts 猴叫、猪叫、咕嘟咕嘟地声音
   17. Dining hall 餐厅
   18. A parking lot 一个停车场
   19. Moral suasion 道义上的劝告；
   20. Drainage drainage channels (排水渠)
   21. Dampen, blades The seagrass beds, in turn (轮流，反过来), dampen (使潮湿，沮丧，减弱) wave action, particularly if the blades (刀片，这里指叶片) reach the water surface.
   22. Meadows, mosaic,

mound, carpets Seagrass meadows in relatively turbulent waters tend to form a mosaic of individual mounds, whereas meadows in relatively calm waters tend to form flat, extensive carpets.

* 1. Lush a lush (酒鬼，丰富的豪华的) growth of aquatic flowering plants
  2. Still, detrimental Still(尽管如此), extreme temperatures, in combination with other factors, may have dramatic detrimental (有害的，不利的) effects.
  3. Fidelity. Fidelity means accuracy of the copying process. (忠诚，保真度)
  4. Puget: Since the entry of Europeans into Puget Sound country.
  5. Bemoaned: The early explorers and settlers told of abundant deer in the early 1800s and yet
  6. Immense: 1) the global climate system is immensely complicated. 非常复杂的

2) as well as an immense variety of plank tonic animals.

* 1. Proxy: requires us to use proxy records.
  2. Ambient: substances whose physical and chemical properties change with the ambient climate at the time can be deposited in a systematic way.
  3. Deliberations: Thus we need to be able to include these in our deliberations.

1. **句子**
   1. The high costs of converting to sound and the early limitations of sound technology were among the factors that suppressed innovations or retarded (减缓，阻碍) advancement in these other areas.
   2. Just a few blocks(街区，封锁) away. 只在几个街区外(只有几个街区远)
   3. On that note, let’s dim the lights (灯光调暗一点), so we can see these slides(幻灯片).
   4. Chauvet painting are from the drawn(黎明，开始的时候) of art. (艺术的诞生之初)
   5. My three years old daughter piped up (脱口而出) and said:
   6. I’m glad you dropped by (我很高兴你过来了)，I’ve been meaning to congratulate you won the class leadership award. (优秀班干部)
   7. This damping (阻尼，阻碍，使沮丧) effect can be significant to the point where just one meter into a seagrass bed the wave motion can be reduced to zero.
   8. The argument seemed to be at a standstill (停滞状态) until a number of recent studies resulted in a spectacular (壮观的) suite (套件) of new finds.（一系列）
   9. How is the problem that the surface may sink related to the problem that water heated geothermally may contain toxic materials?
   10. Geothermal energy is in a sense not renewable, because in most cases the heat would be drawn out of a reservoir much more rapidly than it would be replaced by the very slow geological processes by which heat flows through solid rock into a heat reservoir.
   11. The heat quickly removed from a heat reservoir is replaced so slowly by geological processes (地质过程) that geothermal energy is not, practically speaking,(插入语) renewable.
   12. Snow is soon transformed into a compacted mass of smaller, rounded grains.
   13. Glaciers are slowly moving masses of ice that have accumulated on land in areas where more snow falls during a year than melts.
   14. One of the more bizarre suggestions in that vein is to use rhyming in your note to your potential date. 一个奇怪的建议，就是使用押韵的方式写便条给你可能约会的对象。
   15. We can boil it down to three general ideas, briefly. 我们可以把它归因到三点。
   16. Strike fear into sewer workers 让下水道工人们心有余悸
   17. Well, the whole point of defining this familiar process as transmission of memes is so that we can explore its analogy with the transmission of genes. 将这种人们熟悉的过程定义为模因的传递的重点在于我们能够探索它与基因传递的类比
   18. That (this device was a necessary structural compromise) is clear from the fact that the cannonball quickly disappeared when sculptors learned how to strengthen the internal structure of a statue with iron (铁) braces (iron being much stronger than bronze).
   19. These characteristics make Spartina a valuable component of the estuaries where it occurs naturally.
   20. Biologists once thought that secretion of extrafloral(花外的) nectar has some purely internal physiological function, and that ants provide no benefit whatsoever to the plants that secrete it.
   21. almost in the same breath bemoaned(惋惜痛哭叹息) the lack of this succulent (肉质鲜美的) game animal(狩猎动物).
   22. Because the very act of repeating something can render that thing melodious—even the sound of a shovel being dragged across the pavement. （是由于生词原因，读不懂）
   23. The sounds as they appear to you are not only different from those that are really present, but they sometimes behave so strangely as to seem quite impossible. (so as to 如此，以至于) 因为它从句的使用，所以听力的时候结构很难把握。
   24. These perceptual transformations are powerful //because nothing changes in the acoustic signal itself.(单词反应不过来)
   25. We bring in the day’s catch to a floating processor boat where the fish got cleaned, packaged and frozen right at sea. (句子结构不熟悉)
   26. The early explorers and settlers told of abundant deer in the early 1800s and yet almost in the same breath bemoaned the lack of this succulent game animal. (对of介词不熟悉，句子结构不清楚)
   27. Reduction in numbers of game should have boded ill for their survival in later times. (两个单词不认识，导致句子不认识)
   28. A worsening of the plight of deer was to be expected as settlers encroached on the land, logging, burning, and clearing, eventually replacing a wilderness landscape with roads, cities, towns, and factories.
   29. One of the most difficult aspects of deciding whether current climatic events reveal evidence of the impact of human activities is that it is hard to get a measure of what constitutes the natural variability of the climate.
   30. We need therefore to know how much the climate can vary of its own accord in order to interpret with confidence the extent to which recent changes are natural as opposed to being the result of human activities.
   31. What we do know is that as we include longer time intervals, the record shows increasing evidence of slow swings in climate between different regimes.
   32. To build up a better picture of fluctuations appreciably further back in time requires us to use proxy records.
2. **作文：**
   1. In the lecture, the professor casts doubt on the reading passage’s idea that ~~,

the professor asserts that ~~.

Firstly, contrary to the belief in the passage that ~~, the professor asserts that ~~.

Secondly, the author of the passage points out that ~~, while the lecture notes that ~~.

Lastly, opposing the author’s belief that ~~, the professor contends that ~~.

* 1. **To be common is better than to be different? More easy to achieve success.**
     1. Different更好：
        1. 成功者毕竟少数；选择不同更容易成功；
        2. 相同意味着花更多的时间去考虑别人的想法，不用在意他人，更多的时间去思考。
     2. 开头段：
        1. Success can be perceived and achieved in many different ways.
        2. Some people believe being different holds the key while others attribute success to finding common grounds.
        3. I’d go for the former view because success depends on knowledge, experience and social circle.
     3. **主体**
        1. (论点一)First off, the acquisition of knowledge is a matter of individuality. (解释)The best problem-solving method varies from person to person. A strategy may work perfectly fine for one person, but would turn out to be counterproductive for another. (举例)Take my roommate for instance. He is usually spotted rushing from library to laboratory, from classroom to tennis court, burning mid-night oil to hit books before finals, and end up with straight A’s through every semester. Taking him as a role model, I started to follow suit. I signed up for various learning groups and it wasn’t long before I got more than I could handle on my plate and stretched myself too thin, eventually stressed out. It seems to me working around the clock may serve him well, but I’d suffer if I take it too far.
        2. (论点二)Second, there is no single way to success. (解释)When taking on a challenge, people who want to make a difference would think outside the box, trying out novel ideas and steering away from conventional routines. (对比论证)As Steve Jobs once put it, innovation distinguishes a leader and a follower. Being different and creative gives you what it takes to lead the tide. This gives them an edge to rise above the unpredictables. On the other hand, those who imitate and never bother to innovate are bound to be crowded out. For example, young people have a tendency to go abroad to widen their horizons. They believe such experience can cultivate critical thinking and offer different perspectives, which are essential in opening up job prospects after graduation. So when you choose a path less traveled, you are more likely to stand out and outshine the ordinary.
        3. (论点三) Lastly, people who are different from each other stand a better chance of long-lasting relationships. Sure, most people believe birds of a feather flock together; people sharing much in common are supposed to get along. But let’s face it, if two hot-tempered friends get into a fight, chances are they’d end up yelling, cursing or even calling names. Neither of them is willing to budge or meet halfway. If they stay mad at each other, the friendship would probably get stuck in a dead end. But if you try to think differently and stand in the shoes of your friend, you might handle the quarrel more properly. When people realize they are one of a kind, so is everybody else, they won’t force their own ideas on others and would think twice before offending people that are different from themselves.
        4. To sum up, being different offers a unique way of learning, out-of-ordinary experience and better interpersonal relationships, all of which contribute to a more successful life.

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| **单词** | |
| **生词** | **例句** |
| **Squandering** | I hate squandering. |
| **Awesome** | It is awesome. (太了不起了) |
| **Jeopardy.** | I can better concentrate on my study without worrying about possible jeopardy.（危险） |
| **Deter** | The high price of the service could deter people from seeking advice.(同discourage表示使阻止、劝退) |
| **Harbor** | 1. We should not harbor prejudice or suspicious to cultures we do not understand. 2. I harbor an opinion that we students should ~ to broaden our horizons. |
| **Pooling** | Only by pooling their resources can governments hope to overcome global warming. |
| **Tulips** | Where did tulips originate? // factors that contributed to the tulip craze.(郁金香) |
| **Spring up** | When all those new Internet companies sprang up. (繁荣，兴起) |
| **Adrift** |  |
| **Oversee** |  |
| **Viscera** |  |
| **Brute** | 残暴冷血 |
| **Brusque** |  |
| **intangible** |  |
| **Presumably** | 推测起来，大概；It’s raining, which presumably means that your football match will be cancelled. |

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| **托福口语**： | | |
| **万能语料** | 1)经济/省钱 | It’s cheap and economical. It can help me save a lot of money to buy books and to travel with my friend Jane. Specifically, it only costs \_\_\_ Yuan to \_\_\_. However, if I want to \_\_\_, it will cost me at least \_\_\_ Yuan. I hate squandering, so I think it is awesome. |
| 2)省时 | It is convenient and I would be able to save tons of time. Specifically, it takes me only\_\_\_ minutes to \_\_\_. However, if I’d like to \_\_\_. I will spend at least \_\_\_hours. I think spending the time saved on reading books on history or chemistry/ doing exercise is considered to be the better way for me to relax/ learn more knowledge. |
| 3)交朋友 | I can make more friends in different background/from different cities/countries such as Canada, Japan and America/ with the same interest. We could have pleasant conversation not only about the academic information such as history, biology and economics, but also about the international events. And I can also learn some useful interpersonal skills or personality such as honesty and persistence. |
| 4)好的自然环境 | The amazing part is its picturesque view and enjoyable surroundings. Having a walk besides the lake and rockery, I can smell the fragrance of grass and the flowers and hear the birds chirping and feel the bracing breeze on my face. |
| 5)减压的社会环境 | I can totally relax in such a \_\_\_ environment. I’m fascinated to the harmonious atmosphere which could make me refreshed and energetic. I can release my emotion, pressure and uneasiness through it, and have a temporary escape from the academic workload such as assignment and examination. |
| 6)健康 | It’s good for my health. I can improve my speed, strength and flexibility. And I can also effectively lose weight and keep in good shape. Before\_\_\_ I often got sick, depression and hot temper, but now, everything is getting much better. |
| 7)学习 | I can have an easier access to a huge amount of knowledge and information ranging from history to biology. For instance, it’ll be easy for me to polish my speaking and listening skills if \_\_ / in such a \_\_ environment / by \_\_. This can render me a good opportunity to practice my English, and eventually put me in a favorable position in the upcoming competition. |
| 8)理解生活意义 | (Compared to others) I can broad my horizon during the whole process. For instance, if \_\_\_ I can have a better understanding of the meaning of life/ career/ education… and the importance of dream and future. So, I will pay more attention to my family/ friends/ work/ academic performance and also make great contribution to our society in the future. |
| 9)杂志说 | According to the New York Times in 2008, the people who \_\_\_ are more likely to achieve success/ lead a happy campus life/ have a wonderful family in their later time. I certainly wanna be a \_\_\_ person/ I think … is a kind of …, so I’d like to \_\_\_. |
| 10)同龄压力 | It is because of the peer pressure. You know, everyone in my class to \_\_\_. I don’t wanna be isolated from them. Therefore, I choose to do the same thing and involve with them. |
| 11) 人际关系 | During the process of communication / discussion about …, and I can learn some useful interpersonal skills or personality such as honesty and persistence form others. This can help me cooperate with others more effectively, and offer me more opportunities to make new acquaintance. With more partners, I am more likely to succeed in the future. |
| 12)环保 | It is more eco-friendly, coz it’ll create little harmful carbon dioxide to the air. With the help of this, we can better protect our planet and prevent our environment from pollution such as global warming, acid rain and ozone layer. No one can deny that it is significant nowadays when we’re facing ecological crisis. |
| 13) 了解文化 | It can definitely help me improve the understanding of the culture, custom, history and many interesting stuff about a different country/city. The deeper insight into culture can not only broaden my horizon but also help me comprehend the living style and thinking mode of the local people. |
| 14)与家人共享天伦之乐 | More importantly, I can go home more frequently and visit parents and grandparents. My mom will prepare me the food I like the most; My father will talk to me and help me figure out a way to solve the problem I encounter at school. My feeling can be best described by an old saying, “East, West, home is the best.” |
| 15)促进就业 | It will contribute to the increase of employment rate. I mean, it can provide the local people with a large amount of jobs. As a result, it would in turn bring benefits to the social stability and economic development. |
| 16)安全 | The most important point is that it’s much safer. If I … The possibility of being stole or robbed is relatively small. With a safe environment, I can better concentrate on my study without worrying about possible jeopardy. |
| 17)隐私 | It can help me protect my privacy. Coz being attended sometimes makes me feel uncomfortable. I don’t like others to know what books I am reading or what songs I am listening. Sometimes I just need some private time and deal with my personal stuff like calling my friends and writing the letter to my mom. |
| 18)坏习惯 | It is embarrassing to say that some people have terrible manners. For example, someone in my class always spits and litters in public, which makes me feel really awful. You know, I’m pissed off by those behaviors and can not stand them at all. So I have no choice but to \_\_\_. |
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| **托福写作**： | | |
| 13个万能理由  https://wenku.baidu.com/view/12df3ca1f524ccbff12184cb.html | 1. 成就感   Achievement | 关键词句：1) a sense of achievement 成就感  2) virtuous cycle 良性循环  3) grand feat/exploit 辉煌的业绩  4) attainment of goals elevate our self-esteem be conductive to self-actualization有助于自我实现 |
| 万能段落：By doing (something), we can enjoy a sense of achievement. The feat of accomplishing is conductive to self-actualization, which will inevitably elevate our self-esteem. Inflated esteem will proportionally contribute to even more solid achievement. This is virtuous cycle toward a better career. For example, I have a relative who works in a big company. He was once awarded the opportunity to travel aboard that excited him for quite a long time. After that he worked even harder and gained the elevated esteem. |
| 1. 被认可感   Acknowledgement | 关键词句：1) A willing ox 任劳任怨的人  2) selfless contribution  3) the stat of being recognized  4) a sense of belonging provide satisfaction  5) motivation for further improvement |
| 万能段落：By acknowledgement, I mean the state of being recognized. When we are recognized by our company (school/ college/ group/ community or society), we can experience a sense of belonging. The feeling of being recognized provides satisfaction and motivation for further improvement. Hence, when a person can be identified by others, the subsequent outcome can be beyond imagination. Bill Gates, through luck, diligence, and team spirit leads Microsoft to splendor. And he distributes his wealth generously, which won him a name: the greatest philanthropist around the world. His success is acknowledged by our society. And his satisfaction index can be higher than that of any other peers. |
| 1. 健康   Health | 关键词句：1) ingredients to sound health 健康的要素  2) physical health  3) psychological health  4) well-adjusted to the society sound health  5) as fit as a fiddle 身体好  6) discard health hazard  7) robust strength 体力充沛  8) health is above wealth |
|  | 万能段落：Fresh air, clean water and nutritious food are indispensable ingredients to sound health, So if we live in good environment and enjoy healthful diet, our physical health can be guaranteed. Also if we have positive hobbies like reading and other mental pursuits, our psychological health can be elevated. Anyway, health is above wealth, we should exert our efforts to discard health hazard in order to attain a better life. |
|  | 1. 安全   Safety | 关键词句：1) be protected against failure  2) damage sense of security  3) facilitate the harmony of society  4) Safety is the top priority |
|  | 万能段落：Safety refers to the condition of being protected against failure, damage, error, accidents, harm, et cetera. Safety is usually our main concern. |
|  | 1. 方便   Convenience | 关键词句：1) perform daily errands 从事日常业务  2) get easy access to 容易接近  3) do not have to exert ourselves too much 不用太费力气  4) Convenience matters. 便利至关重要 |
|  | 万能段落：Convenience means being suitable and useful for us to carry out daily tasks. If something is convenient and easy to be made use of, we get easy access it, and then the potential can be fully exploited. We do not have to exert ourselves too much to obtain the benefit. As a result, we can devote more time and efforts to accomplishing other business that is urgent and pivotal. |
|  | 1. 沟通   Communication |  |
|  | Communication is about the exchange of the ideas, information and opinion through written or spoken words, symbols or actions. The smooth exchange of information and ideas between disparate people can be thrilling and heart-warming. When we bare our hearts to communicate, we can eliminate the conflict or contradiction. Thus, the distance among people will surely be shortened. Thus, we can achieve the purpose of transmission of messages. In the meanwhile, the interaction arises, which definitely improves teamwork. Hence, we can harvest (garner/reap) both the success of cooperation and the harmony of the relationship. |
|  | 1. 持久性 | 关键词句： 1) lastingness of goods  2) deep impression  3) eternal/everlasting impact  4) far-reaching influence  5) unforgettable memory  6) garner/assimilate nutrition 汲取营养 |
|  |  | By durability, I mean goods may have lastingness; love is eternal; friendship is everlasting. When something gives us deep impression, we surely will have an unforgettable memory. |
|  | 1. 愿望   desire | 关键词句： 1) crave for/long for/yearn for/pine for  2) creatures of desire  3) meet our needs  4) to one’s heart’s content 尽情享受  5) fulfill one’s dream  6) satisfy one’s vanity 满足虚荣心 |
|  |  | 万能段落：Desire refers to our hope or inclination. We are all creatures of desires. We try our best/endeavor to satisfy our desire and vanity: the desire to relax to one’s content; the desire to gain more knowledge; the desire to earn big money and the desire to be loved. To meet one’s desire is to enjoy a happy life. Hence, we are all willing to sacrifice our time and efforts to make our heart’s desire fulfilled. |
|  | 1. 效率 |  |
|  | 1. 节约 |  |
|  | 1. 环保 |  |
|  | 1. 经验 |  |
|  | 情感 |  |

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| **常见俗语**： | | |
|  | 1. and so forth   表示等等 | 1）Obviously the major media are TV, radio, billboards, and so forth. |
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