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Lesson 10 Silicon valley

硅谷 单元复习 后置定语

与课文关联的 22个单词(点击每个单词可查看详细介绍)



silicon /'sɪlɪkən/ n. 硅

integrated /'ɪntɪgreɪtɪd/

circuit /'sɜːkɪt/ n. 线路，电路

adj. 综合的

California /,kælə'fɔːniə/

workstation /'wɜːksteɪʃn/

chip /tʃɪp/

n. 加利福尼亚 (美国州名)

n. 工作站

n. 芯片，集成电路片，集成块

newsletter /'njuːzletə(r)/

Macintosh /'mækɪntɔʃ/

penalize /'piːnəlaɪz/ v. 处罚，惩罚

n. 时事通讯

n. 苹果机，一种个人电脑

customize /'kʌstəmaɪz/

spawn /spɔːn/ v. 引起，酿成

thrive /θraɪv/ v. 兴旺，繁荣

v. 按顾客具体需要制造

anarchy /'ænəki/

oriental /,ɔːri'ent(ə)l/ n. 东方人

constitute * /'kɒnstɪtjuːt/ v. 构成

n. 无政府状态，混乱

drove /drəʊv/ n. 群

innovator /'ɪnəveɪtə(r)/ n. 发明者

forge /fɔːdʒ/ v. 发展

memory-chip /'meməriːtʃɪp/

AT&T /eɪtnt/

Kansas /'kænzəs/

n. 内存条

n. 美国电话电报公司(American Telephone and Telegraph)

n. 堪萨斯 (美国州名)

Missouri /mɪ'zɔəri/

n. 密苏里(美国州名)

硅谷背景介绍 难度：4 级

※ Silicon valley

Silicon Valley a region of western California, south of San Francisco; It is a center of the computer industry. Many important inventions were made in this area, and many companies producing computer software and hardware are based there. It is called Silicon Valley because the computer industry is based on the silicon chip.

『 **California** 加利福尼亚 (美国西部州名) 』

California n. a state in the western United states, bordering the Pacific Ocean, the third largest state in the country.

※ Technology trends **may push** Silicon Valley back to the future.

『 **trend** n. a general tendency in the way a situation is changing or developing 趋势; 潮流 』

- The current trend is towards remote work.
- We need to follow the latest fashion trends.
- There is a growing trend for healthier eating.

『 **push back** 推向 』

- Scientists continue to **push back** the boundaries of human knowledge. 科学家不断扩大人类知识的范围。
- It will **push back**. 它要推动你。
- The firm wanted to **push back** the deadline but was refused. 公司想推迟截止日期, 但遭到了拒绝。

※ Carver Mead, a pioneer in integrated circuits and a professor of computer science at the California Institute of Technology, **notes** there are now workstations that enable engineers to design, test and produce chips right on their desks, much the way an editor creates a newsletter on a Macintosh.

『 **California Institute of Technology (CIT)** 加州理工学院 (高等院校) 』

- She received her degree from the **California Institute of Technology**.
- **Harvard University** is one of the oldest universities in the US.
- He is a professor at the **Massachusetts Institute of Technology (MIT)**.
- He once studied at **Stanford University** in the United States. 他曾在美国斯坦福大学学习。
- The Nobel Prize for Chemistry was awarded to Melvin Calvin of **the University of California at Berkeley (UC Berkeley)**. 美国加利福尼亚大学的梅尔文·卡尔文获得诺贝尔化学奖。

『 **note** 注意到(notice or pay attention to sth.); 提及、说、谈到(mention sth. because it is important or interesting) 』

- **Note how she is holding** her racket.
- The speaker **noted** that the economy was improving.
- He **noted** a slight change in her expression.

observe 注意到; 评论、说	He observed that it would probably rain.
observation 评论; 说的话	...much truth in Patricia Nelson Limerick's observation that "lecturing is an unnatural act..."
coverage 新闻报道	With the start of BBC World Service Television, millions of viewers in Asia and America can now watch the Corporation's news coverage , as well as listen to it.
disciplines 学科	Social science disciplines include geography, economics, political science, psychology, and sociology.
latitude 自由 (纬度)	"The test of any democratic society," he wrote in a Wall Street Journal column, "lies not in how well it can control expression but in whether it gives freedom of thought and expression the widest possible latitude , however disputable or irritating the results may sometimes be."

『 **workstation** n.工作站(a desk for one person to work at, usually with a computer or computer terminal) 』

- The engineers each have a powerful **workstation** on their desk.
- He spends all day at his **workstation** developing software.
- The design team needs new high-performance **workstations**.

『 **enable sb. to do** 使某人能做某事 』

- New technology **enables us to communicate** instantly. 使我们能够交流
- Protect students from social pressures and **enable them to face** the world. 保护学生免受社会压力, 使他们能够面对世界。
- He worked hard to **enable the American colonies to** gain independence from Britain. 他努力使美国殖民地脱离英国从而获得独立。

allow / permit sb. to do 允许某人做某事	... allow / permit engineers to design, test and produce chips...
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make it possible for sb. to do 使某人能做某事

...**make it possible for** engineers **to** design, test and produce chips...

『 **newsletter** 时事通讯；简报 a printed report sent regularly to a particular group of people 』

- An editor creates a **newsletter** on a Macintosh.
- The club sends out a weekly **newsletter** to its members.
- I subscribed to their email **newsletter** to get updates.

『 **Macintosh** 苹果电脑 (Mac) personal computer, developed by Apple Computer Corporation in 1984. It pioneered the use of a graphical interface. 』

- She prefers using a **Macintosh** for graphic design.
- The software is compatible with **Macintosh** operating systems.
- The first **Mac** personal computer was developed in 1984.

『 **much the way...** 与...差不多；正如...那样(做状语，语言习惯高于语法规则) 』

语法、语言习惯 (the way + 定语从句) 在句中做方式状语；约定俗成的固定搭配

- The steak is cooked **the way** I like it. 正如...那样 (in the way 省略了in)
- The patient's situation is **much** the same. 情况差不多

Internet technology enables you to make purchases at home, **much the way** you do in regular shops. 因特网技术可以使你能够在家中购物，这与你在普通商店买东西差不多。

※ As the time and cost of making a chip drop to a few days and a few hundred dollars, engineers may soon be free to let their imaginations soar without being penalized by expensive failures.

『 **drop / fall / decrease (to...)** 下降 (到) ... 』

- The price **dropped to** a new low.
- Temperatures will **fall to** a minimum of 10 degrees. 气温会降到最低点10度。
- Her voice will **drop to** a dismissive whisper. 她的声音将要降低成轻视性的低语。

plummet / plunge / nosedive / take a nosedive (to...) 暴跌、骤降 (到) ...

Since January, sales of cars have **plummeted / plunged / nosedived / taken a nosedive.**

rise / go up / increase / climb / escalate (to...) 上升 (到) ...	House prices have escalated to a worrying level. 房价已经上升到令人担忧的水平
soar / rocket (to...) 暴涨 (到) ...	Gold prices soared / rocketed to their highest level since 1983. 飙升到最高水平

『 **暗喻 Metaphor** (喻体全隐式) 通过动词联想喻体 』

- ...engineers may soon be free to let their imaginations **soar** without being penalized by expensive failures.
- His hunger **gnawed at** him.
- Some **books** are to be **tasted**, others to be **swallowed** and some few to be **chewed and digested**.

※ Mead **predicts** that inventors **will be able to perfect powerful customized chips over a weekend** at the office -- **spawning** a new generation of garage **start-ups** and **giving the U. S. a jump on its foreign rivals in getting new products to market fast.**

『 **foretell / predict** 预言... 』

- It is impossible to **foretell the exact nature** of the difficulties which will confront the pot-holer.
- ...an Englishman, Leon Bagrit, was able to **predict some of the uses** of computers which we know today.
- Timely snow **foretells a bumper harvest.** 瑞雪兆丰年

『 **perfect** 使完美; 使熟练 』

- The violinist spent years **perfecting his technique.** 完善他的技术
- He is determined to **perfect his English pronunciation.** 完善他的英语发音
- She worked hard to **perfect the presentation.** 使演示文稿完美

bring... to perfection 使完美 (文言)	The violinist spent years bringing his technique to perfection. 使他的技术达到完美
--	---

『 **start-up** 小型、新生的公司 a new small company, esp. one whose work involves computers or the Internet 』

- He joined **an Internet start-up** right after college.

- The new policy aims to encourage more **technology start-ups**.
- A new generation of **garage start-ups** will be spawned.

『 **get a jump on sb.** 得到了超越某人的优势 』

- The US gained a **jump on its foreign rivals** 获得了超越其外国竞争对手的优势。

<p>gain an advantage over sb. 得到了超越某人的优势</p>	<p>The new system allowed them to gain an advantage over their competitors. 获得超越其竞争对手的优势</p>
<p>give sb. a jump on sb. 使某人得到了超越某人的优势</p>	<p>The new technology will give us a jump on our rivals. 将使我们在竞争对手面前获得优势</p>

※ 'We've got more **garages with smart people,**' Mead **observes.** 'We really **thrive on anarchy.**'

『 **thrive on sth.** 因...蓬勃发展；在...中旺盛生长（尤指别人不喜欢的事物） 』

- He **thrives on criticism.** 他因批评而蓬勃发展(越挫越勇)
- I wouldn't want much pressure, but she seems to **thrive on** pressure.
- Some plants **thrive on poor soil.** 一些植物在贫瘠的土壤中旺盛生长

『 **anarchy** (派生) 看似比较混乱的状态 』

- The company operates in a state of creative **anarchy.** 创造性的混乱状态
- The sudden collapse of government led to complete **anarchy.** 彻底的混乱
- They believe that the current **anarchy** is necessary for innovation.

作者的评论 难度：4级

※ And on Asians.

承接上文，言下之意：We also **thrive on** Asians.

※ **Already, orientals and Asian Americans constitute the majority of the engineering staffs at many Valley firms.**

『 **constitute** 组成、构成、形成 』

- One hundred members **constitute / make up / compose / comprise** the committee.
- Women **make up** about 50% of the workforce.

- The committee **comprises** 由...构成 / **is made up of** 由...构成 / **is composed of** 由...组成 / **consists of** 由...组成 100 members.
- Women **make up** about half of the university's student population. 女性组成了该大学学生总数的大约一半。组成、构成、形成（主动语态）

comprise 由...构成；组成了...	These comprise asphalt, tar and waxes. 其中包括沥青，焦油和蜡。
	Together they comprise your character. 它们一起构成你的性格。
be made up of 由...组成（更口语化）	The course is made up of 12 two-hour sessions. 这门课总共上12次，每次两小时。
be composed of 由...组成	The committee is composed of representatives from every department. 该委员会由来自各个部门的代表组成。
consist of 由...构成	Happiness often consists of small, simple pleasures. 幸福往往由微小而简单的快乐组成。

『 **majority**、**minority** 表达“大多数、少数”比例表达 』

- The new exam mocked the needs of **the majority of** children. 新的考试无视大多数孩子的需要。
- Although the Yakutians are **a minority**, they have firm control of the territory. 虽然雅库特人是少数，但他们却牢牢地控制着这个地区。

a high / large proportion / percentage of... 大部分	...constitute a high proportion of the engineering staffs...
a small / tiny proportion / percentage of... 小部分	Only a small proportion of applicants were accepted.
a / the majority of... 大多数	A vast majority of people agree with the decision.
a / the minority of... 少数	Only a tiny minority of people voted against it.

『 **engineering** 工程，工程学 』

- He is studying **biological engineering** at university.
- She works in **software engineering**.
- The bridge is a marvel of **modern engineering**.

※ And Chinese, Korean, Filipino and Indian engineers **are** graduating in droves from California's colleges.

『 **Korean** 韩国人的/语; 朝鲜人的/语(the Democratic People's Republic of Korea (DPRK) 朝鲜) 』

- She is learning the **Korean** language.
- The two countries are the Republic of Korea and **the Democratic People's Republic of Korea (DPRK)**.
- He is an exchange student from a **Korean** university.

『 **Filipino** 菲律宾人/语; 菲律宾的 』

- Many **Filipino** nurses work abroad.
- He speaks both English and **Filipino**.
- The capital of **the Philippines** is Manila.

※ As the heads of next-generation start-ups, these Asian innovators **can draw on customs and languages to forge tighter links with crucial Pacific Rim markets**.

『 **draw on sth.** 凭借; 利用; 动用 to use sth. for a particular purpose 』

- It was a challenge, but luckily we had the experience to **draw on**.
- The author **drew on** her own childhood for the novel.
- They had to **draw on** their savings to pay the bills.

use / make use of 使用; 利用	You should <u>make full use of</u> the library resources.
wield 拥有, 运用, 行使 (权力等); 挥, 操, 使用 (武器、工具等)	...be able to wield both the pen and the sword . 能文能武
exploit 开发, 开拓; 剥削; 开采	The country needs to <u>exploit its natural resources</u> more effectively.

『 **rim** 边, 边缘 』

- The company focuses on **Pacific Rim markets**.
- We are studying the climate patterns of the Pacific Rim weather.
- The plate had a gold **rim**.

✳️ **For instance**, Alex Au, a Stanford Ph. D. from Hong Kong, **has set up** a Taiwan factory to challenge Japan's near lock on the memory-chip market.

『 **Ph.D. (PhD)** 哲学博士；泛指博士(Doctor of Philosophy) 』

- She is studying for her **Ph.D.** in literature.
- He earned his **doctor of philosophy** degree at Oxford.
- The project requires someone with a **PhD** in chemistry.

『 **a lock on sth.** 对于...的控制、垄断 』

- Japan has a near **lock on the memory-chip market.** 对内存芯片市场近乎垄断的控制
- The company has a complete **lock on the local telecom market.** 对本地电信市场完全垄断
- They are trying to get a **lock on the new technology.** 控制新的技术

monopoly of / on sth. 对...的垄断	...to challenge Japan's near monopoly of the memory-chip market. 对内存芯片市场的近乎垄断
---	--

✳️ India-born N. Damodar Reddy's tiny California company **reopened an AT&T chip plant** in Kansas City last spring with financing from the state of Missouri.

『 **AT&T** 美国电话电报公司（美国最大的电信公司） 』

American Telephone **and** Telegraph the largest telecommunications company in the United States, based in New York City.

『 **financing** 资助 』

- The project secured necessary **financing** from the bank.
- The company reopened the plant with **financing** from the state of Missouri.
- They are looking for **external financing.** 外部资助

funding 资助；资金	The school received sufficient funding for the new library.
finance / back / fund / subsidize 资助 (动词)	a charity financed / funded / backed by private donations.
subsidized 政府资助的	a government-subsidized health service.

sponsor 赞助 (动词)

The team is **sponsored by** a major electronics company.

※ **Before it becomes a retirement village, Silicon Valley may prove a classroom for building a global business.**

『 **business** 公司 (可数); 商业、生意 (不可数) 』

- She runs a small catering **business**.
- He is trying to learn more about international **business**.
- They own several successful **businesses** in the city. 公司



tie the knot

结婚; 喜结连理

共有1道练习题(解题方法与答案需要在“ncego.com”笔记官网查看)

1. One of the attractive features of the course was the way the practical work had been _____ with the theoretical aspects of the subject. (单选)

- A、integrated B、embedded C、embraced D、synthesized

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一场孤独的修行, 需要相信积累的力量。专注当下、珍惜时间、心怀感恩、顶峰相见。