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Lesson 15 Secrecy in industry

工业中的秘密 **独立主格** **并列句**

与课文关联的 7 个单词(点击每个单词可查看详细介绍) 

secrecy /'si:k्रेसi/ n. 秘密

effectiveness /ɪ'fektɪvnəs/
n. 成效，效力

inquiry * /ɪn'kwairəri/ n. 调查研究

positive * /'pɒzətɪv/ adj. 确实的

process * /'prəʊses/ n. 过程

patent /'pæt(ə)nt/

n. 专利；v. 得到专利权

agent * /'eɪdʒənt/ n. 情报人员

开门见山 难度：6 级

※ Two factors **weigh** heavily against the effectiveness of scientific research in industry.

『 **weigh** (动词) 衡量；有分量 』

- They like to take their time and **weigh** a wide range of options. 他们喜欢慢慢来，权衡各种选择。
- How much do adult grey squirrels **weigh** at most? 成年灰松鼠的体重最多有多少？
- You **weigh** about 90% less in the pool. 在游泳池里，你的体重会减少90%。

weigh one's words 斟酌词句	He always weighs his words carefully before speaking.
weigh the pros and cons 斟酌利弊、得失	We must weigh the pros and cons before deciding whether to invest our money.

weigh with sb. 对某人来说很重要	<ul style="list-style-type: none"> • It weighs heavily with me. 这对我来说很重要 • = It matters to me. • = It means a lot to me. • = It makes a lot of difference to me.
weigh in one's favor 对...有利	These facts will weigh in your favor. 对你有利
weigh against... 对...不利	The lady's evidence will weigh against him. 对他不利 I'm not optimistic about the verdict.

※ One is the general atmosphere of secrecy in which it is carried out, the other (being) the lack of freedom of the individual research worker. 因素 (Two factors)

『 **atmosphere** n.the mood or feeling that exists in a place and affects the people who are there 气氛 』

- After Joe left there was a more relaxed **atmosphere** at home.
- There is an **atmosphere of tension** in the city today.
- Of course, the Hubble is above the Earth's **atmosphere**, so it will soon be sending us the clearest pictures of the stars and distant galaxies that we have ever seen.

『 **独立主格** § 当主句与状语的主语 (状态、原因、时间或伴随动作的非谓语结构...) 不同时使用 』

逻辑主语 + 非谓语动词

- 1、分词 (现在分词 Ving 或过去分词 Ved)
- 2、不定式 (较少见, 通常省略 to be)
- 3、名词/形容词/副词/介词短语 (此时需加上 be 动词的现在分词形式 being 或 having been)

- The meeting adjourned, **the business unfinished.** 会议休会了, 事情未完成
- The sun setting, **we decided to go home.** 太阳落山了, 我们决定回家
- The meeting **being over**, we all went home. 会议结束了, 我们都回家了。
- All the tickets **sold out**, they decided to cancel the concert. 所有的票都卖光了, 他们决定取消音乐会。
(注: 这里可以视为省略了 being)
- He stood there in the rain, **his hands in his pockets.** 他站在雨中, 手插在口袋里。

关系	结构示例	作用
伴随	The sun shining, ...	描述伴随主句发生的背景或状态

关系	结构示例	作用
原因	The work being done, ...	解释主句发生的原因
时间	The class over, ...	表明主句发生的时间点
条件	This done, ...	暗示主句发生的条件

※ In so far as any inquiry is a secret one, it naturally **limits** all those engaged in carrying it out from effective contact with their fellow scientists either in other countries or in universities, or even, often enough, in other departments of the same firm.

『 in so far as / insofar as 在...的范围之内；因为 』

- She cites other scholars' work only **insofar as** it supports her own theories. 只在支持她自己的理论的范围内引用其他学者的工作(= to the extent that ... 在...的范围之内；到达...的程度)
- He can be trusted **insofar as** he has never told a lie. 他值得信任，因为他从没过谎(= because / since / in that)

『 limit ... from ... 使...限制；使...不能(动词 + from 往往有否定的含义) 』

- Any attempt to **limit** their freedoms would prevent society **from** achieving perfection. 任何限制他们自由的企图都会阻止社会达到完美。
- Negative mindsets **limit** possibilities **from** the very start. 消极心态从一开始限制了可能性。
- Don't **limit** yourself to collecting **from** the world of design. 不要把自己限制在收集全世界的设计上。

keep ... from ... 使...不能； 阻止	His wife keeps him from alcohol. 他的妻子阻止他饮酒
bar / prevent ... from ... 阻止...不能	The problem barred / prevent me from completing the work. 这个问题阻止我完成工作
dissuade ... from ... 劝 阻...不要做	I dissuaded him from committing suicide. 我劝阻他不要自杀
disqualify ... from ... 使... 没有资格做某事	His criminal record disqualifies him from serving on a jury. 他的犯罪记录使他没有资格担任陪审员
prohibit ... from ... 禁止... 做某事	The rules prohibit students from bringing mobile phones to class. 规定禁止学生带手机进教室。

ban ... from ... (命令禁止) 禁止...做某事	The committee decided to ban the player from participating in the next two matches. 委员会决定禁止该运动员参加接下来的两场比赛。
save/rescue ... from ... 拯救...使...免于	The lifeguard managed to save the child from drowning in the pool. 救生员设法把那个孩子从溺水中救了出来。
restrain ... from ... 阻住... 做某事	Please restrain yourself from coughing during the performance.

『 **keep in contact with sb.** 』

- Please don't hesitate to **contact with me** if you have further questions. **contact** (vt.) 与某人保持联系; 接触 (及物动词)
- We must **keep in contact with** them. **contact** n. 联系; 接触
- Would you please **keep in contact with** me by email? 你愿意用邮件与我保持联系吗?

keep in touch with 保持联系	I try to keep in touch with my high school friends.
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※ The degree of secrecy naturally **varies considerably**.

『 **vary** 变化(五星重要) 』

- Prices **vary from** salon **to** salon, starting at \$30 for a cut and blow-dry. 各家美发店价格不一, 剪吹起价\$30。
- Children **vary** considerably in the rate at which they learn these lessons. 孩子们学习这些课的速度差别相当大。
- They **vary in colors** from country to country. 它们的颜色因国家而异。

vary greatly / widely / significantly / dramatically 变化相当大的	Prices vary greatly between the two regions.
vary slightly / somewhat 变化小的	The results vary slightly depending on the time of day.
vary in size / degree / length 在某方面有所不同	Rooms vary in size but all have television and telephone.
vary according to... 因...而异	The leaf's size varies widely according to the area where it grows.
vary from ... to ... 从...到...是不同的	<ul style="list-style-type: none"> • Tests scores vary from school to school. 考试分数因学校而异

- The amount of sleep we need **varies from** person **to** person.
- Office hours **vary from** company **to** company and country **to** country.

※ Some of the bigger firms are engaged in researches which are of such general and fundamental nature that it is a positive advantage to them not to keep them secret.

『 of ... nature 做后置定语，表示“某种类型的...”修饰前面的名词 』

- ... dangers of the most perilous nature ...
- treaties of a political nature 政治性的条约
- books of an erotic nature 色情的书刊
- questions of an academic nature 学术性的问题
- articles of a technical nature 技术性的文章
- I can't approve of things of this nature.
- We discussed questions of an academic nature.

『 表达“对他们来说最有利的” 同义替换 』

- ... it is **in their best interests** not to ... (... it is a **positive advantage to them** not to keep them secret.)
- ... to keep them open (to the public).

观点 难度：6 级

※ Yet a great many processes depending on such research are sought for with complete secrecy until the stage at which patents can be taken out.

『 research [U] / researches [pl.] / study [C] 研究 』

- Some further researches are being done in many countries. 许多国家正在进行进一步的研究。
- We are currently conducting further **research** into the matter.
- The university published two **studies** on climate change.

a research X 错误表达

two researches X 错误表达

a study ✓

『 seek for / after ... vi./vt. 寻求；追求 』

- Some people will pursue it, **seek for** it; 有人追求它，探寻它；
- They continue to **seek solutions** to the problem.
- His autograph is much **sought after** by collectors.

seek refuge / shelter / asylum 寻求避难所/ 庇护	The immigrants seek asylum 寻求庇护 in a safe country.
seek revenge / comfort 寻求复仇/安慰	He decided to seek revenge 寻求复仇 for the injustice.

『 **take out a patent** 专利相关表达 』

- The inventor plans to **take out a patent** for his new device next month. 这位发明家计划下个月为他的新设备取得专利。
- Inventors must **apply for a patent** to protect their work.
- The company was sued for **infringing a patent**. 侵犯专利

apply for a patent 申请专利	We decided to apply for a patent to protect our intellectual property. 我们决定申请专利来保护我们的知识产权。
give / grant a patent 授予专利	The government agreed to grant a patent to the research institute. 政府同意授予这家研究所一项专利。
infringe a patent 侵犯专利(vt.)	The company was sued for attempting to infringe a patent held by their competitor. 该公司因试图侵犯竞争对手所持有的专利而被起诉。

『 **表达“直到拥有知识产权”** 』

... until they own **the intellectual property rights**. 同义替换 ... until the stage at which patents can be taken out.

※ Even more processes **are never** patented at all **but** kept as secret processes. not 不是 ... but 而是...(省略be动词引导并列句)

『 **(never 包含 not) at all** 根本不 (用于否定句或疑问句以加强语气) 』

- She wasn't surprised **at all** by the news.
- Did you find any mistakes **at all**?

※ This **applies** particularly to chemical industries, **where** chance **discoveries** play a much larger **part than** they **do** in **physical and mechanical** industries.

『 **apply to ...** 适用于 』

- The rules of safe driving **apply to** everyone.
- The restriction no longer **applies to** him because he is over 18.

apply for 申请、提出 (上文出现过)	She's left it too late to apply for the job. 她申请那份工作已为时太晚。
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『 **chance** adj. accidental 偶然的 』

- a chance meeting / encounter
- We had a **chance encounter** at the airport.

deliberate / intentional 故意的 (反义词)	<ul style="list-style-type: none"> • The damage was deliberate. • That was an intentional foul.
chance / happen to do 偶然...	He chanced to be out when I called him.
as chance / luck would have it 碰巧	As luck would have it , I had my camera with me.

『 **play a ... role / part in ...** 发挥某种作用 』

Lenend has it that the antibiotic penicillin is **a chance discovery** by British bacteriologist Sir Alexander Fleming.

- The city of Xi'an **played a crucial role** in the history of China.
- The government should **play a more prominent part** in promoting human rights.

※ Sometimes the secrecy **goes to such** an extent **that** the whole nature of the research cannot be mentioned.

『 **go to such an extent that...** 达到如此程度以至于... so ... that ... 』

- His rudeness **went to such an extent that** everyone left the room.
- The drought **went to such an extent that** the crops failed.

※ Many firms, for instance, **have** great difficulty in obtaining technical or scientific books from libraries **because** they **are** unwilling to have their names entered as having taken out such and such a book, for fear the

agents of other firms **should be able to trace** the kind of research **they are** likely to be undertaking.

『 **have difficulty (in) doing sth.** 做某事有困难 』

- He will **have difficulty doing** the advanced math problems. 他做这些高等数学题会有困难。
- She **had a hard time writing** the dear John letter.
- He **had trouble finding** the right solution.

<p>have trouble (in) doing sth. 做某事有困难</p>	<p>I have trouble sleeping when there is too much noise. 在噪音太大的时候, 我睡觉有困难。</p>
<p>have a hard time doing sth. 做某事有困难</p>	<p>She had a hard time writing the dear John letter. 她写那封绝交信很困难。(He ... dear Jane letter)</p>
<p>be hard-pressed to do sth. 某事太复杂, 不大可能成功或发生</p>	<ul style="list-style-type: none"> • Owing to shortage of staff, the emergency services were hard-pressed to deal with the accident. 由于人手短缺, 紧急服务部门难以处理这起事故。 • Although negotiators are optimistic, the details are complex enough that they may be hard-pressed to get a deal at all.

『 **be unwilling to do sth.** 不愿意做某事 』

- She **is always willing** to help. 总是愿意帮忙。(反义词)
- They **are unwilling to do** extra work without being paid more. 他们不愿意在没有得到更多报酬的情况下做额外的工作。
- The directors **were unwilling to** respond to questions. 董事们不愿意回答问题。
- Judges **were unwilling to** nullify government decisions. 法官们不愿废止政府决定。

<p>be reluctant to do sth. 不情愿做某事</p>	<p>Though he was reluctant to do so at first, we eventually persuaded him to take us.</p>
<p>be disinclined to do sth. 不情愿做某事 (更正式)</p>	<p>I was disinclined to talk to him about it. 我不太愿意和他谈论这件事。</p>
<p>be indisposed to do sth. 不乐意做某事 (更正式)</p>	<p>He seemed somewhat indisposed to depart. 他似乎有点不乐意离开。</p>
<p>be ready / prepared to do sth. 乐意/准备好做某事</p>	<p>We are ready to do whatever it takes to complete the project on time. 我们乐意/准备好做任何需要做的事情来按时完成项目。</p>

be inclined to do sth. 倾向于做某事；乐意做某事	I am inclined to do the easier tasks first. 我倾向于先做那些比较简单的任务。
be disposed to do sth. 倾向于做某事；乐意做某事	The judge was disposed to do the witness's request. 法官倾向于满足证人的请求。

『 **take out** borrow books from a library 从图书馆借书 』

- You can **take out six books** at a time.
- They find a house, agree a price, and **take out** a mortgage. 含义2: obtain an official document 获得政府正式文件

take out an insurance policy 投保；购买保险单	Before the trip, you should take out an insurance policy to cover any unexpected medical costs. 旅行前，你应该投保一份保险单，以涵盖任何意想不到的医疗费用。
take out a mortgage 办理抵押贷款	They find a house, agree a price, and take out a mortgage . 他们找到一套房子，谈妥了价格，然后办理了抵押贷款。
take out a patent 取得专利	The company is planning to take out a patent on their new manufacturing process. 该公司正计划为他们的新制造工艺取得一项专利。

『 **such and such a ...** 某某 』

- I need to speak to **such and such a person** about the incident.
- In **such and such a** place, he answered. 他回答是某某地方。
- Are you going to get **such and such a** hat? 你打算买某种的帽子吗?

『 **for fear (that) ...** 以免、以防（引导目的状语） 』

- We spoke in whispers **for fear of** waking the baby. (... that we **might** wake the baby.)
- I daren't tell you what he did, **for fear that he should be angry with me**. 以免他生我的气
- Take an umbrella **in case it rains**. 以防下雨
- I daren't tell you what he did, **for fear that he should be angry with me**. 我不敢告诉你他做了什么，以免他生我的气。

in case (that) ... 以防、万一	Take an umbrella with you in case that it rains later. 带上雨伞，以防待会下雨。
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Home and dry

稳操胜券(大功告成)

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