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Lesson 13 The search for oil

探寻石油 量词 宾语后置 状语从句

与课文关联的 13 个单词(点击每个单词可查看详细介绍)



mineral /'mɪnərəl/ adj. 矿物的

boring /'bɔ:riŋ/ n. 钻孔

derrick /'derɪk/ n. 井架

block and tackle /,blɒk ən

haul /hɔ:l/ v. 拖，拉

rotate /rəʊ'teɪt/ v. 使转动

'tæk(ə)l/ n. 滑轮组

cutting bit /'kʌtɪŋ bit/ n. 钻头

geologist /dʒɪ'blɒdʒɪst/

coring bit /'kɔ:riŋ bit/ n. 取芯钻头

n. 地质学家

cylinder /'sɪlɪndə(r)/ n. 圆柱体

strata /'strætə/

circulate * /'sɜ:kjəleɪt/

n. 岩层[复]([单]stratum或strata [误用])

v. 注入，环流

gusher /'gʌʃə(r)/ n. 喷油井

论述 难度：3 级

※ The deepest holes of all are made for oil, and they go down to as much as 25,000 feet.

『 **make a hole** (不强调方式) 做/打一个洞 』

- **Make a hole** and let the water escape. 弄一个洞，让水流出去。
- We **make a hole** in the ice with an auger. 我们用螺旋钻在冰上钻洞。
- Will **make a hole** on the upper part and fix in the grinder or what is the way. 你们能否在上面部分开个洞，并且正确的固定在磨床上。

bore/drill a hole 钻洞	We need to drill a hole through the metal plate.
prick a hole 扎洞	Be careful not to prick a hole in the balloon.
punch a hole 冲洞	Use the machine to punch a hole in the paper.
dig a hole 挖洞	The dog likes to dig a hole in the yard.
chop a hole 凿洞	He used an axe to chop a hole in the ice.

『 **go down to / go up to** 去往（方向或重要性） 』

- I'll **go down to Hangzhou** tomorrow. 南下去杭州
- I'll **go up to Dalian** tomorrow. 北上去大连
- **go down to** the countryside 由重要的地方去次要的地方（下乡）
- **go up to** town 由次要的地方去重要的地方(上城里去)

『 **as much as...** 长宽高重深（度量表达） 』

- He will be earning only half **as much as** he used to, but he feels that his rise in status is well worth the loss of money.
- He earned enormous sums of money and was paid **as much as** £ 100 for a single appearance.
- The captain of the *Elkor* ordered his men to salvage **as much as** possible from the wreck.
- It is a question of pride **as much as** anything else.

extend to a depth of... 深达	<ul style="list-style-type: none"> • The platforms extend to a depth of over 100 feet under the sea. • The deepest known cave in the world is the Gouffre Berger near Grenoble. It extends to a depth of 3,723 feet.
weigh... 有多重（系动词）	It weighed nearly 500 pounds.
be... (in weight) 有多重	The boy is 50 kilos (in weight) .
rise to a height of ... 高达	Above the surface of the water, the towers rise to a height of nearly 700 feet . 高达...
be / stand... high / tall 有多高	<ul style="list-style-type: none"> • She stood three feet high and her hands rested on her hips. 高度 • He stands / is 1.8m tall.

be... deep / in depth 有多深	The hole is 2 feet deep / in depth .
be ... long / in length 有多长	The bed is 2 meters long / in length .
be ... wide / across / in width 有多宽	The river is 20 meters wide / across / in width .

How do I love thee? Let me count the ways. I love thee **to the depth and breadth and height my soul can reach.** — Elizabeth Barrett Browning

✧ But we **do not need** to send man down to get the oil out, **as** we **must** (send men down) with other mineral deposits.

『 **send sb. to do sth.** 打发某人去做某事 』

- He was **sent to buy some beer.** 他被打发去买啤酒

send sb. to sth. 打发某人去某地	send the boy to school / bed.
dispatch sb. to do sth. 打发某人去做某事	The government dispatched 100 police to restore order.
dispatch sb. to sth. 打发某人去某地	An ambulance was immediately dispatched to the area.
transfer sb. to sth. (工作调动) 调动某人去某地	He was transferred to our Shanghai branch. 他被调到了我们的上海分公司
post sb. to sth. 派遣某人去某地	He was posted to the embassy in London. 他被派驻到伦敦大使馆
transport sb. to sth. 流放某人去某地	He was transported to Siberia for life. 他被流放到西伯利亚终生监禁

『 **as we must + (被省略的动词原型).** (语法) as 引导的方式状语中, 主句出现的成分可省略 』

- He did the task exactly **as instructed.** 正如被指示的那样
- She acted **as expected.** 正如预期的那样

※ The holes **are** only borings, less than a foot in diameter.

『 **less than + 数词 + 计量名词 (时间、距离、金额)** 还不到... 』

- The journey took **less than 20 minutes**. 还不到20分钟
- I eat lots **less than** I used to. 我比以前吃得少多了。
- He lost by **less than** 100 votes. 他以相差不到100张选票败北。

『 **数量限定词** (注意：当代英语：less than 渐渐取代 fewer than) 』

fewer than + 数词 + 普通名词 还不到...	The whole of Switzerland has fewer than six million inhabitants . 还不到六百万居民
no less than + 数词 + 计量名词(时间; 距离; 金额) ... 足足有...之多 (强调大)	He won no less than \$1,000,000 in the lottery. 他足足赢了100万美元
not less than + 数词 + 计量名词(时间; 距离; 金额) ... 至少有...不少于...	He won not less than \$1,000,000 in the lottery. 他至少赢了100万美元
no fewer than... 足足有...之多 (强调大)	No fewer than a thousand people came. 足足有上千人来了
not fewer than... 至少有...不少于...	Not fewer than a thousand people came. 至少有...
no more than... 只有、仅仅 (强调少)	The figure becomes no more than an exact and matter-of-fact observation. 这个数字只不过是一个精确和事实的观察
not more than... 最多...	Not more than 20 people are present. 最多有20人在场

『 **diameter** 直径 ("dia" = across + "meter"/"metry" = measure) 』

- The holes are only borings, less than a foot in **diameter**.
- The circle has a **radius** of 5 centimeters.
- The gun has a small **caliber**.

diameter n. 直径 (几何学, 穿过圆心连接圆周上两点的线段长度)	The engineer measured the diameter of the pipe to be exactly 15 cm. 工程师测量出管道的直径恰好是15厘米。
radius n. 半径 (几何学, 连接圆心和圆周上任意一点的线段长度)	The circle has a radius of 5 meters, so its diameter is 10 meters. 这个圆的半径是5米, 所以直径是10米。

caliber / calibre n. 口径；直径；才干；水准
(常指枪管或炮筒的内径，或子弹的直径)

The weapon was a high-powered rifle of .50-**caliber**. 这把武器是一把.50口径的高威力步枪。

✧ My particular experience is largely in oil, and the search for oil has done more to improve deep drilling than any other mining activity.

『 **particular** adj. specific; individual 具体的、个人的 』

- We need to focus on this **particular case**. 这个具体案例
- These are his **individual problems**. 他个人的问题
- in this **particular / specific** case

particular adj. 特定的；特别的；格外的 (强调与众不同或独一无二)	Is there any particular type of wine you would prefer with dinner? 晚餐时你有没有什么特别喜欢的葡萄酒种类?
specific adj. 具体的；明确的；特有的 (强调精确、清晰地指出某一事物，不模糊)	Please give me the specific address where the package needs to be delivered. 请给我包裹需要送达的具体地址。
individual adj. 个别的；单独的；独特的 (强调是单一个体，区别于群体)	Each student received individual attention from the teacher to help with their learning needs. 每个学生都得到了老师单独的关注，以帮助他们解决学习需求。

『 **largely** 主要地、很大程度上 (强调比例或程度高，但非全部) 』

- His success was **largely due to luck**. 很大程度上归功于运气
- The changes were **mainly due to** financial pressure.
- The firm's decision to relocate was **largely** influenced by lower operating costs. 公司搬迁的决定很大程度上受到了较低运营成本的影响。

chiefly 主要地；大部分 (强调重要性或占据最大份额的原因、群体等)	The funding for the project came chiefly from private donations. 该项目的资金主要来自私人捐款。
mainly 主要地；大体上 (最常用，指主要部分、原因或目的)	The cuisine in this restaurant consists mainly of seafood and fresh vegetables. 这家餐厅的菜肴主要由海鲜和新鲜蔬菜组成。
to a great extent 在很大程度上 (习语，强调程度很高)	His success in business is to a great extent due to his strong communication skills. 他在商业上的成功在很大程度上归功于他强大的沟通技巧。

『 **do much / a lot / a great deal to...** 在...做出了很大贡献 』

- Though he was technically a prizefighter, Mendoza **did much to change** crude prizefighting into a sport, for he brought science to the game.
- The Bible **does much to change the crude world into a civilized one** ... 对把粗鄙的世界变成一个文明的世界做出了很大贡献

Though he was technically a prizefighter, Mendoza **did much to change** crude prizefighting into a sport, for he brought science to the game. 尽管严格地说只是一本书，但圣经在把这个粗鄙的世界变成一个文明世界方面却做出了很大贡献，因为它给人类带来了信仰。

New Concept English **has done more to** improve my writing skills than any other book. 新概念英语比其他任何书对提高我写作能力的作用都大

<p>do much / a lot / a great deal to... 在...方面做出了很大贡献/发挥很大作用</p>	<p>The government has done a great deal to improve public transport in the capital. 政府为改善首都的公共交通做出了很大的贡献。</p>
<p>do more to... than... 在...方面比...作用更大/更有贡献</p>	<p>Education will do more to reduce poverty than any single policy alone. 在减少贫困方面，教育比任何单一政策的作用都要大。</p>

※ **When it has been decided where we are going to drill, we put up at the surface an oil derrick.** 井架放句未突出重点、承上启下(宾语后置)

『 **put up** 致力起来；竖起；建造；张贴（最常用，指快速或临时地搭建） 』

- They **put up a tent in the field.**
- They plan to **put up** a new fence around the garden this weekend. 他们计划这个周末在花园周围竖起一道新篱笆。
- The workers **erected** a new fence.

<p>set up phr. v. 建立；安装；搭起（强调准备和组织，使系统或结构投入运行）</p>	<p>The technician will help set up the new network server. 技术人员将帮助安装新的网络服务器。</p>
<p>erect vt. 竖立；建立；使直立（正式，常指建造高大、复杂的永久性结构）</p>	<p>The city decided to erect a statue in honor of the war hero. 市政府决定竖立一座雕像来纪念这位战争英雄。</p>

※ **It has to be tall because it is like a giant block and tackle, and we have to lower into the ground and haul out of the ground great lengths of drill**

pipe which are rotated by an engine at the top and are fitted with a cutting bit at the bottom.

『状语前置（强调句末宾语） 正常语序：头重脚轻』

... we have to lower **great lengths of drill pipe which are rotated by an engine at the top and are fitted with a cutting bit at the bottom** into the ground and haul them out of the ground ...

『课文仿写 仿照地点状语前置』

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『量词 (a length of...) 一根；一阵；一块等』

- a **bar of** chocolate 一块巧克力
- a **bar / cake of** soap 一块肥皂
- a **slice of** butter 一片黄油
- a **loaf of** bread 一块面包 (长条)
- a **tube of** toothpaste 一管牙膏
- a **cone of** ice-cream 一卷冰淇淋
- a **bunch of** grapes / bananas 一串
- a **flash / bolt of** lightning 一道闪电
- a **peal of** thunder 一声雷
- a **pane of** glass 一块玻璃
- a **bouquet of** flowers 一束花
- a **fit of** coughing 一阵咳嗽
- a **round of** applause 一阵掌声
- **peals / gales of** laughter 阵阵笑声
- a **gust of** wind... 一阵风

『名词前有量词，形容词放在量词前 【语法注意】』

- a **nice** cup of tea 一杯好茶
- a **beautiful** stretch of field 一片美丽的田野
- a **stagnant / shallow** pool of water 一潭死水
- a **beautiful** bouquet of flowers 一束美丽的花
- a **nice** big bar of chocolate 一块很好的大巧克力

真实情况 难度：6 级

❖ The geologist **needs** to know what rocks the drill **has reached**, **so every so often** a sample **is obtained** with **a coring bit**.

『 **every so often** 时而，有时候（时间状语） 』

- She's going to come back **every so often**. 她会偶尔回来一下。
- You're bound to mistime a tackle **every so often**. 你肯定会有错估进攻时机的时候。
- **Occasionally**, I enjoy reading a classic novel.
- We meet up for coffee **from time to time**.

every so often 每隔一段时间；偶尔地（中性，指不频繁且不规律的发生）	We get together for dinner every so often , perhaps once a month. 我们每隔一段时间会一起吃晚饭，可能一个月一次。
sometimes 有时（最常用，中性，指在某些时候发生）	Sometimes I like to work from home to avoid the commute. 有时我喜欢在家工作以避免通勤。
occasionally 偶尔地；间或（比 sometimes 频率更低，较正式）	He only drinks coffee occasionally , preferring tea most of the time. 他只是偶尔喝咖啡，大部分时间更喜欢喝茶。
at times 有时；间或（强调在某一时刻或某些时候发生）	The work can be very stressful at times , but it is usually rewarding. 这项工作有时会压力很大，但通常是值得的。
now and then 偶尔；时而（口语化，与 every so often 相似，指不规律地发生）	I still go back to visit my childhood neighborhood now and then . 我仍然偶尔回去看看我童年的街坊邻里。
now and again 偶尔；时不时地（与 now and then 同义，常用于英式英语）	The old engine coughs and splutters now and again , but it still runs. 这台旧发动机时而会发出咳嗽声和噼啪声，但它仍然能运转。
once in a while 偶尔；难得（强调不经常发生，频率较低）	We splurge on an expensive meal once in a while to celebrate special occasions. 我们偶尔会奢侈地吃一顿大餐来庆祝特殊的场合。
from time to time 时常；偶尔（指持续一段时间，间歇性地发生）	She likes to reread her favorite classic novels from time to time . 她喜欢时不时地重读她最喜欢的经典小说。

❖ It **cuts** a **clean** cylinder of rock, from which **can be seen** the strata the drill **has been cutting through**.

... from which the strata the drill has been cutting through can be seen. 正常语序

『 from which... (主语后置) 非限定性定语从句 』

- She showed me her photo album, **from which I selected several pictures.** 从中我选了几张照片
- The book presents many theories, **from which we can draw several conclusions.** 从中我们可以得出几个结论

※ **Once we get down to the oil, it usually flows to the surface because great pressure, either from gas or water, is pushing it.**

『 get down to... 下降到...; 认真严肃地做某事 』

- It's time to **get down to business.** 是时候认真开始工作了
- We need to **get down to the fundamentals** before we proceed. 我们需要认真研究基础知识
- **Let us get down to fundamentals and agree that the young are after all human beings -- people just like their elders.**

※ This pressure **must be under control, and we control it by means of the mud which we circulate down the drill pipe.**

『 be under control 在控制之中 』

- There's no need to flap—I've got everything **under control.** 不必担心——一切都已在我控制之中。
- We've got to get the economy **under control** or it will literally eat us up. 我们必须控制住经济，否则它真地就会把我们困住。
- He believes that from a military standpoint, the situation is **under control.** 他认为从军事角度来看，局势已得到控制。

get sth. under control 控制住...	...Do you think they'll ever get that under control? 他们会控制住那个吗?
get out of control / hand 失控	<ul style="list-style-type: none">• ...the fire got out of hand and we had to call the fire department.• A day may begin well enough, but suddenly everything seems to get out of control.

『 under + 名词 在...状态之中 』

- The car is **under repair.** 在修理之中
- The castle is **under attack.** 遭受攻击
- The subject is **under discussion.** 讨论之中

- The matter is **under consideration**. 考虑之中
- You are **under arrest**. 被捕了
- The patient is **under observation**. 观察之中
- The case is **under investigation**. 在调查之中
- The bridge is **under construction**. 建造之中
- The building is **under renovation**. 整修之中

✧ We **endeavour** to avoid the old, **romantic** idea of a gusher, **which wastes** oil and gas.

『 **endeavor / make every endeavor to do** 竭尽全力做某事 』

- You must **endeavor** to improve your work. 你必须努力改进自己的工作。
- We **made an earnest endeavor** to persuade her. 我们郑重其事地努力说服她。
- This book has **been an endeavor to** find interesting questions. 本书就是寻找有趣问题的尝试。

<p>do / try one's utmost to do 竭尽全力做某事</p>	<ul style="list-style-type: none"> • Though the doctor did his best, the patient's recovery was slow. • You play to win, and the game has little meaning unless you do your utmost to win.
<p>go to great lengths to do 竭 尽全力做某事</p>	<p>The man went to great lengths to prove that the diamonds were real.</p>
<p>spare no effort to do 不遗余力 地做某事</p>	<p>I will spare no effort to learn English. 我将不遗余力地学习英语</p>
<p>go all out to do 全力以赴地做某 事</p>	<p>John's really gone all out this time.</p>

『 **romantic** adj. impractical 不切实际的 』

- Like many New Yorkers, he had a **romantic** image of country life.
- She has a **romantic** idea of what it's like to be a struggling young artist.
- That plan sounds a bit **romantic** and unworkable.
- We need a pragmatic approach, not a **romantic** one.

『 **定语从句充当原因状语** which wastes oil and gas 』

- We can read of things that happened 5,000 years ago in the Near East, **where people first learn to write**.

※ We want it to stay down the hole until we can lead it off in a controlled manner.

『 lead it off 引走; 导出 』

- The pipe is designed to **lead the water off** from the tank.
- A channel was dug to **lead the excess water off** the field.



throw in the towel

认输, 放弃

共有2道练习题(解题方法与答案需要在“ncego.com”笔记官网查看)

1. M:The pollution going into the air from those factories.Do you think they'll ever get that under control?W:With the new laws and social awareness,we'll turn things around. (单选)
A、 The air will be cleaner if they go to a different city.
B、 It'll soon be too late to control the pollution.
C、 Society will not pay attention to the new laws.
D、 The situation will improve if changes are made.
2. W:You know the noise in my dorm has really gotten out of control.My roommate and I can rarely get to sleep before midnight.M:Why don't you take the problem up with the supervisor? (单选)
A、 Discuss the situation with the person in charge of the dormitory.
B、 Ask her roommate not to make so much noise.
C、 Go to bed after midnight. D、 Send a letter to the residents.

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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。