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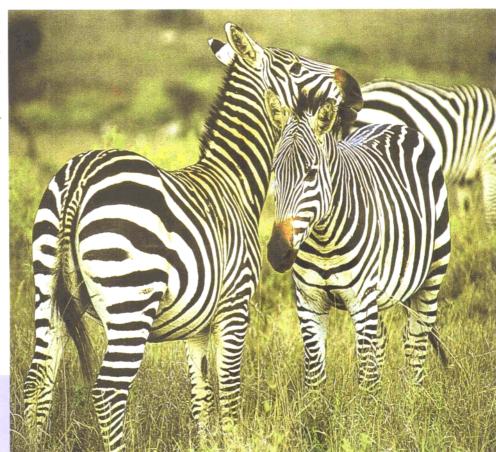
- 注重能力培养 变学会为会学
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高中课程助读

奂语

第二册(下



神控教育出版社

思考 探讨 提高 ——高中课程助读

英 语 第二册(下)

曹文玲 赵 莉 霍薇薇 编于 洪 李 鑫 吕晓兰

上海科技教育出版社

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Unit 13 Albert Einstein

② 思考

- 1. 您了解 Albert Einstein 的生平吗?
- 2. 诺贝尔奖的创始人是谁? 其颁发机构在哪里?
- 3. 小结主语从句的用法。

企 探讨

1. Albert Einstein(艾伯特·爱因斯坦,1879—1955),德国出生的美籍著名理论物理学家,被认为是人类历史中最具创造性才智的人物之一。20 世纪初的 15 年中,他提出一系列的科学理论,最先断言物质和能量的相对性,对空间、时间和引力都赋予了完整的新概念。

爱因斯坦 1879 年 3 月 14 日出生于德国的乌尔姆镇(Uim),青少年时在慕尼黑(Munich)受教育,后来到瑞士进入苏黎士理工学院,1900 年毕业后在瑞士水利局工作,1905 年取得苏黎士理工学院的哲学博士学位。1914 年到柏林普鲁士科学院任职,1916 年发表了他的"广义相对论基础",这个理论于 1919 年为英国皇家学会所证实,这使他获得巨大的国际声誉。由于他对光电定律和理论物理方面的贡献,被授予 1921 年诺贝尔物理学奖。1933 年希特勒执政后,爱因斯坦放弃了德国国籍,接受了美国普林斯顿大学的邀请,离德赴美,受聘为终身教授。后于 1940 年取得美国国籍。1955 年 4 月 18 日在普林斯顿逝世,享年 76 岁。爱因斯坦的一生在人类对宇宙认识的贡献上是无与匹敌的,已被确认为人类历史上的科学巨人。

2. the Nobel Prize 诺贝尔奖金是根据 A.B. Nobel 遗嘱所设基金提供的奖金。每年由四个机构(瑞典3个,挪威1个)负责颁发。1901年12月10日诺贝尔逝世5周年时首次颁发。诺贝尔在其遗嘱中规定,奖金应每年授予"前一年在物理、化学、文学、生理学或医学与和平事业中为人类作出重大贡献的人"。1969年起诺贝尔奖金由上述5项增加至6项,即增加经济学奖金,此奖金是由瑞典国家银行提供的。

Alfred Bernard Nobel(A.B.诺贝尔,1833—1896)是瑞典化学家,工程师和实业家。发明黄色炸药及其他威力更大的炸药。他在全世界都有炸药制造业的股份,加上他在俄国巴库油田的产权,他拥有的财富是巨大的。他对各种人道主义和科学的慈善事业捐款很慷慨,是诺贝尔奖金的创立人。

3. 作主语用的名词性从句,因其在复合句中作主语,故又称作主语从句。引导主语从句的有连词 that、whether,连接代词 who、what、which,连接副词 when、where、how、why 等。

例如:

- (1) What he wanted to see was an end to all the armies of the world.
- (2) Who killed the scientist remains a question.
- (3) Whether we can control the floods is still uncertain.
- (4) When the broadcast station will be ready is unknown.
- (5) How they went to the USA is what I want to know.
- 【注】主语从句放在句首,有时会显得"头重脚轻",故常用 it 作形式主语,而把主语从句挪到句子的后面。it 作形式主语的句型有:

It is + adi./n. + that 从句(that 不能省略)

It is + said/reported + that 从句

It appears/seems(to sb.) + that 从句

- (6) It is certain that fuels like coal and oil cause a lot of pollution.
- (7) It is not yet decided when and where the test will be given.
- (8) It was said that only three people in the world could understand it at that time.
- (9) It is hoped that you'll be able to visit our city in the near future.
- (10) It appeared to me that she enjoyed the food very much.
- (11) It seemed that the manager was very angry.
- 4. Einstein was content to spend most of his time alone, ...

句中 content 作形容词用,意思是"高兴、心满意足",相当于 happy、satisfied,通常用于词组 be content to do sth.或 be content with sth.中,content 还可用作动词,意思是"使满足",相当于 make sb.happy and satisfied,常用 content sb./oneself(with sth.)这个词组。例如:

- Don't be content with small success.
- (2) Simple praise is enough to content him.
- (3) My grandparents are well content to live quietly in the country.
- 【注】我们通常说 be well content 而不说 be very content。
- 5. He began the research and studies which led to his new discoveries in physics.

句中 lead to 的意思是"引起"、"导致"。其用法小结如下:

[lead to 通向,导致,引起

(lead sb. + 介词短语 带领某人……

- He had locked the door that led to the garden.
- (2) This will lead to high blood pressure.
- (3) I led the blind man across the street.
- 【注】不说 lead sb. to do sth.。
- 6. miss 和 lose 的区别

{miss 想念,错过,未赶上,遗漏,迷失。强调错过机会或误车,其形容词为 missing。 lose 遗失;丢失。强调迷路,其形容词为 lost。

- (1) The house is at the next corner; you can't miss it.
- (2) The old man lost his way in the forest.
- (3) I found a book with two pages missing.

. 2 .

- (4) The lost boy cried in the street.
- 7. prove 的用法

作行为动词时,是及物动词,意为"证明"、"证实", prove + n. / pron. /从句/复合结构,并可用于被动结构。

作连系动词时, 意为"证明"、"结果是", prove + adj. / adv. /n. /介词短语/to be。

- (1) Who can prove it?
- (2) We have proved our courage in the battle.
- (3) His efforts, however, proved a failure.
- (4) It will prove of little use.
- (5) She may prove to be the most suitable person for the job.

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1. 听长对话,选择最佳答案

听第一段长对话,回答(1)--(4)题

- (1) What is the topic of the dialogue?
 - A. The weather.

B. Life in the country.

C. A weekend.

- D. Travelling with friends.
- (2) Where did Alice spend the nights in the country?
 - A. In a farmer's house.
- B. In the open.

C. At a friend's home.

- D. At a hotel.
- (3) What was the weather like in the country?
 - A. It was fine.
 - B. It was OK, but rained once.
 - C. It was terrible.
 - D. It rained every day except for one day.
- (4) How long did it take Alice to come back from the country?
 - A. Half an hour.

B. Four hours.

C. Nine hours.

D. Twelve hours.

听第二段长对话,回答(5)--(8)题

- (5) Where are the two speakers?
 - A. In the woman speaker's office.
 - B. In the woman speaker's house.
 - C. In a classroom.
 - D. In a hospital.
- (6) The man came into the room because he _____.
 - A. worked there himself
 - B. wanted to talk to Kate

	C. had to see the woman doctor	•	
	D. wanted Jane to type a letter	for him	
	(7) What was Jane doing on the day	when the dialogue took place?	
	A. She was taking a rest.		
	B. She was taking an exam.		
	C. She was preparing for an exa	am.	
	D. She was studying in night sc	chool.	
	(8) What will Kate do next year?		
	A. Go to Japan.	B. Change her job.	
	C. Go to night school.	D. Buy an expensive ca	r.
	听第三段长对话,回答(9)—(12)题	5	
	(9) Why did the woman want to talk	to the man?	
	A. She was interested in foreign	ers.	
	B. She planned to write about the	he evening school.	
	C. She wanted to be able to tead	ch English better.	
	D. She tried to help newcomers	to her country.	
	(10) When did the conversation take	place?	
	A. In the morning.	B. At noon.	
	C. In the afternoon.	D. In the evening.	
	(11) Talking about his English the m	an thought that he was poor in	·
	A. speaking B. writing	C. grammar D.	reading
	(12) After the conversation, the man	was going to	
	A. see his uncle	B. have classes	
	C. work in the shop	D. meet his brother	
2.	听短文,选择最佳答案		
	听第一篇短文,回答(1)—(5)题		
	(1) When did the speaker get up ever	ry day in the past?	
	A. At 5:00. B. At 5:3		At 6:30.
	(2) Early every morning the speaker l	had to	
	A. clean the bathroom		
	B. feed the chickens		
	C. help his sister get dressed		
	D. carry water for the family		
	(3) The speaker and his sister did no	t go to school by bus because	<u> </u>
	A. their parents thought walking		
	B. there was no bus running in t	the direction	
	C. the school was quite near		
	D. their family was poor		
	(4) On Sundays the speaker used to _	*	
•	4 ·		

	A. play in the	street		
	B. stay at hon	ne all day		
	C. go to churc	h three times		
	D. go shoppin	g with his parents		
	(5) We can infer fr	rom the speech that t	the speaker	
	A. is a teache	r		
	B. lives on a	farm		
	C. wishes he	were young again		
	D. thinks chil	dren were happier in	the past	
	听第二篇短文,回	答(6)—(7)题		
	(6) What happened	the day before?		
	A. Some thiev	es stole paintings fro	m a museum.	
	B. Some stole	n paintings were sold	at a very high price.	
	C. The stolen	paintings were return	ned at six in the mornin	g.
	D. The police	found the stolen pair	ntings with the help of	the guard.
	(7) How much wer	e the paintings worth	?	
	A. About a m	illion pounds.		
	B. More than	a million pounds.		
	C. About twer	nty-five thousand pour	nds.	
		two hundred and fift	y thousand pounds.	
	单项选择			
1.	Computers are used			.
	A. send		C. sending	D. being sent
2.		de by the factory to	more plast	ic products to meet the needs of
	farmers.		a .	1 5
_	A. turn over		C. turn out	D. turn in
3.	Do you know	he has made?		
	A. that discovery		B. which discov	
	C. what discovery		D. how discover	-
4.	We'll visit that midd			w teaching methods
	A. which, has made		B. where, have	
_	C. in which, has be		D. that, has bee	•
5.		in physics, he		g for human rights and progress.
	A. Besides, spent		B. Except, took	
,	C. Except for, cost	1.	D. But, paid	- Louis and an annual an annual and an annual an annual and an annual an annual and an annual and an annual an annua
б.	It is such a modern		few of the workers know	
7	A. which	B. that	C. as	D. the one
7.			arth goes around the sur	n. D. Which
	A. That	B. As	C. It	D. WILCH

8.	It proved	difficult than she had s	supposed.	
	A. very	B. to be quite	C. a little	D. to be much more
9.	There is a	expression	his face.	
	A. puzzle, on	B. puzzling, in	C. puzzled, on	D. puzzled, in
10.	you have	done such things before	e doesn't matter.	
	A. If	B. Whether	C. What	D. Which
11.	is to dan	ice.		
	A. That interests n	ne really	B. Which really in	iterests me
	C. What really inte	erests me	D. Why really into	erests me
12.	They failed to persu	ade him to th	ne conditions for he	to his decision.
	A. receive, came		B. accept, stuck	
	C. accept, insisted		D. receive, insisted	d
13.	Students should	teachers and tea	chers love students.	
	•	-	_	D. show respect for
14.		me foreign stamps. Will		
		B. a one		D. the one
15.		keeping watch		
			C. much	D. a close
16.		y with three pages		
	A. lose	B. losing	C. missing	D. missed
17.		een tired out yesterday.		
		felt as if I were dying.		
		B. not really		D. not a bit
18.	-	content to own such a sr		
	•	B. much		
19.	-Is it Professor Li	sitting by the head of th	e English Department?	?
			0 7 1	D V 1
		B. Yes, it's her		
20.				little money.
		B. for, for		
21.		Mr Green me		
22		B. for, seeing	C. mrougn, see	D. by, you it see
22.	-Why did he fail			
		se he was a bit careless.		D. Dimotly
22	A. Simply	B. Really	C. Hardly	D. Directly
23.		e to go outing with us, w		
	A. Yes, I would	have a lot of work to do	B. No, I wouldn't	
		re to	D. No, I wouldn't	like
	C. Yes, I would lil	KE W	D. 110,1 wouldn't	IIAC
	6 •			

24.	—On some cloudy days	am in low spir	its, and ofte	n do nothing but	stay at	home.
	A. So am I		R S	io do l		
	C. The same like me			Metoo		
25.	Where is it yo	w nicked un the		ae too		
20.		. that		he place	D. w	hiah
I .	完形填空	· uu	C. u	ne piace	D. W	men
		(A)	Albert Eins	tein		
	By the time he was fourte	en, Einstein had	already tau	ght himself advanc	ed ma	thematics. He 1
knev	what he wanted to be wh					
	2 Einstein's family d					
	_ to send him to a techni					
	witzerland, 6 he enter					
	e7 of his course. He					
	question was how he could					
	he got a job in the gover					
	enough time to study, he v					
	A. still	B. yet		hardly		already
2.	A. if	B. why	C.	that	D.	when
3.	A. enough	B. some	С.	lots of	D.	any
4.	A. tried	B. managed	C.	succeeded	D.	failed
5.	A. could	B. had to	C.	ought to	D.	were able to
6.	A. where	B. which	C.	that		there
7.	A. front	B. beginning	C.	back	D.	end
8.	A. help	B. books	C.	work	D.	food
9.	A. cost	B. took	C.	provided	D.	offered
10.	A. received	B. accepted	C.	won	D.	reached
		(B) School	and Alber	t Einstein		
	School and Albert Einste	in did not mix	well. His t	eachers thought h	ne was	1 . Einstein's
thoug	hts and words were jumble					
	at as a child.					
	When he was ten years ol	d, he met Dr. M	ax Talmy. T	Talmy talked with	the bo	by and tried to help
him.	They 4 books, and I					
	. Inside this "7" boy					
	Schoolwork never became			d not learn things	by he	art . Paying attention
	9 for him. He even di				-	,
	Einstein made 12 fri					
					_	

coming. Albert Einstein became a 14 scientist in the 15 of physics. He was one of the most important thinkers of the modern age.

1.	A. too small	B. clever	C. stupid	D. too shy
2.	A. housework	B. school	C. teachers	D. schoolwork
3.	A. all	B. which	C. that	D. whether
4.	A. bought	B. discussed	C. learned	D. sold
5.	A. had trouble		B. did not do well	
	C. showed an interest		D. took pride in	
6.	A. easy	B. difficult	C. few	D. no
7.	A. poor	B. stupid	C. clever	D. American
8.	A. easy	B. difficult	C. enough	D. interesting
9.	A. easy	B. hard	C. possible	D. good
10.	A. leave	B. return to	C. enter	D. join in
11.	A. Because of		B. Without	
	C. With the help of		D. Instead of	
12.	A. poor	B. a lot of	C. few	D. rich
13.	A. Still	B. Yet	C. Or	D. In time
14.	A. well-known	B. maths	C. college	D. poor and shy
15.	A. courses	B. classes	C. books	D. field
N.	阅读理解			

(A)

Between 1909 and 1912 Einstein taught theoretical physics in Switzerland and Germany. He returned to Zurich to teach from 1912 to 1914. Worldwide fame came in 1919 when the Royal Society of London announced that predictions(预测) made in his general theory of relativity had been certain.

This happened when a scientific expedition in the Gulf of Guinea photographed the solar eclipse (日食) of May 29 of that year. Although he was awarded the 1921 Nobel Prize for Physics, the prize did not refer to his relativity theories, which were still considered to be unacceptable.

Einstein was always strongly against war and violence and supported Zionism(犹太民族主义), the movement to establish a Jewish homeland. When the Nazis came to power in 1933, they forced him to give up his ideas, seized his property, and burned his books. That year he moved to the United States. In 1940 he became an American citizen.

In 1939, shortly before the outbreak of World War II in Europe, Einstein learned that two German chemists had split the uranium atom. Enrico Fermi, an Italian physicist who lived in the United States, proposed that a chain reaction(链式反应) splitting of uranium atoms could release large quantities of energyg. In 1939, Einstein wrote to President Franklin D. Roosevelt warning him that this scientific knowledge could lead to Germany's developing an atomic bomb. He suggested that the United States prepare for its own atomic bomb research. Out of this effort came the Manhattan Project, in which the first two atomic bombs were developed in 1945.

	A. in 1912 B. in 1914 C. in 1919 D. in 1909
2.	Which of the following is a true statement?
	A. Einstein won the 1921 Nobel Prize for his Theory of Relativity.
	B. Einstein's theory of relativity was not accepted at that time.
	C. The 1921 Nobel Prize went to his teaching of theoretical physics.
	D. The 1921 Nobel Prize was offered by the Royal Society of London.
3.	In 1933, Einstein moved to the United States because
	A. a war broke out in Europe
	B. the Nazis forced him to
	C. he got the American citizen ship
	D. he was tired of living in Europe
4.	What causeed Einstein to write to President Roosevelt?
	A. The fact that two German chemists had split the uranium atom.
	B. An Italian physicist's discovery about uranium atoms.
	C. Germany was developing an atomic bomb.
	D. Both A and B.
5.	The Manhattan Project led to
	A. the development of the first two atomic bombs in America
	B. the outbreak of World War II
	C. a chain reaction atoms
	D. the release of much energy
	2. The follower of finder carety
	(B)
	In 1943, during the Second World War, the body of an Englishman, William Martin was disc
ff tl	he Spanish coast. Papers he had been carrying were returned to London, where they were ca
can	nined. They had obviously been changed and that was exactly what the British had boned

covered of arefully would happen, for Martin was a trick designed to fool the Germans.

Martin did not exist. The body was of a sailor who looked as though he had died when his boat sank, but the fact was that he had been ill and died, leaving the boat to go down. His parents allowed the dead body to be put into the sea near Spain. It was hoped that the Germans would find it and read the fake(伪造的) papers he carried.

The papers said that the British would attack the island of Sardinia, when in fact they planned to attack the island of Sicily. The trick was successful. When the British landed on Sicily, most of the heavy German guns had been moved to defend Sardinia.

1. Who first put the papers on the dead man?

1. Einstein became world famous

- A. William Martin. B. Spanish spies. C. German spies. D. The British.
- 2. Why were the British pleased that the papers had been changed?
 - A. It meant that the Germans had read the papers.

B. It told them where the German guns would	ld be.
C. They knew William Martin had been a sp	by .
D. They found out which island to attack.	
3. The man whose body was found	
A. died when his boat went down	B. was killed by the Germans
C. was killed by the British	D. died from an illness
4. The British planned to land on	
A. Sardinia B. Germany	C. Sicily D. Spain
5. The trick succeeded because the Germans	
A. left Sicily completely	B. believed the papers
C. attacked Sardinia	D. kept the papers
V. 短文改错	
The famous America writer Mark Twain was	1.
well-known as his absent-mindedness. One	2
day when he was riding in the train, the conductor	3
asked him for his ticket. Mark Twain looked for	4
the ticket in all his pockets, but couldn't find them	5
At last, the conductor, when recognized the writer,	6
said, "It doesn't matter. Showed me your ticket on	7.
your way back. If you can find it, there is no harm	." 8
Heard this, Mark Twain quickly shook his head and	9
said, "Oh, I must find the ticket, or otherwise how	10
will I know where I'm going?"	
Ⅵ.书面表达	
(A) 完成句子	
1(他会来参加这个	
2(老师所说的话)is	-
3(她是否同意)does	
4. It's known to all(2	
5(谁会参加运动会) is uncertain.
(B) 每空一词,猜猜看	
	arrelling with Li Ling when every one of us was in
high spirits.	
她真是个令人扫兴的人。正当我们兴致老	
	_ mate of your daughter. Why should you object to
their marriage?	
依我看,你女儿和小张性情相投。你干吗	
	he always s on the fence and falls on the
side of the stronger?	
· 10 ·	

你怎么能相信他呢?他是个墙头草,谁硬就跟谁。
4. That singer was only a f in the pan. He disappeared into the air after having made one
or two records.
那个歌星也只是昙花一现,出了几张唱片就销声匿迹了。
5. Stop reasoning with him. Don't know he is one tminded?
甭跟他较劲了,他是一根筋儿,你还不知道?
(C) 写作
假设你是曹健,下面的材料是你的简历。请根据简历向一个招聘青年大学生的公司写
一封求职信,写信时间为 2001 年 9 月 15 日。
Name: Cao Jian
Date of birth: April, 1978
Education: 1996—2000 Department of Chemistry, Beijing University
Foreign Language: English, French
Hobbies: music, sports
Telephone: 5328239
Address: Room 415, No. 9 Apartment, Beijing University, Beijing 100092, P.R. China
注意:1. 求职信必须包括上述要点;
2. 书信格式要正确;
3. 词数:100 左右。
September15,2001
Dear Sir,

Sincerely yours,

Cao Jian

Unit 14 Satellites

(数) 思考

- 1. 您对"卫星"知道多少呢?
- 2. 究竟怎样用英文征求或表达意见?
- 3. whose 引导的定语从句有什么特别吗?

(4) 探讨

- 1. 第五十四课和第五十五课所讲的卫星(satellites)主要是人造地球卫星,它是人工制造,发射出去并围绕地球运转的装置。当物体在地面附近的发射速度达到每秒7.9公里(第一宇宙速度)至每秒11.2公里(第二宇宙速度)时,物体就会克服地球引力的作用,在一定的轨道上绕着地球运转,既不落到地球上,也不飞离地球远去,成为人造地球卫星。人造地球卫星的运行速度是由巨大的运载火箭提供的。火箭点火升空,达到预定速度后就在预定地点把卫星送人预定轨道。由于卫星几乎是在真空中运行的,空气阻力很小,所以能够长时间地运行。人造卫星运行的轨道基本上是不变的,而且一昼夜可以绕地球运行好多圈。由于地球也在自转,所以同一颗人造地球卫星可以飞越地球上许多地点的天空。人造地球卫星在广播通讯,气象观测,资源勘探,军事侦察,飞机导航,天文观测和科学研究中都有广泛的用途。
 - 2. 在英语中,以下句式常用来征求或表达意见:

What do you feel like doing? I feel like...

Personally, I'd rather (not) + $v \cdot / I'm$ ready to . . .

What would you like to do? I'd like to...

What do you plan to do? I'm planning to do.../I want (intend, wish, plan) to do...

Have you decided to do...? I've not decided what/where to do...

What do you think of...? What is your opinion of...? How do you like...?

Tell us what you think about . . . / We'd like to have your views about . . .

Any suggestions you have will be most welcome.

It's quite likely that...

It doesn't seem possible that...

3. whose 是英语中唯一能够在定语从句中充当定语的一个关系代词,意为"……的"。它既可引导限定性定语从句,也可引导非限定性定语从句。与 that、whom、which 在定语中充·12·