



#### Comment Yizhou

摘要写作核查表已经发布,16人找不到学号对应的作业,请在27日前确保平台上昵称为自己学号,否则该内容得0分。





#### Timeline until end of Semester

December 18+21: 考前复习/答疑 December 21-27: Task 'Review' + Survey December 28<sup>th</sup>: Exam + Final Words January 11<sup>th</sup>: Final Scores



Appeal Process	
* Results for 12 appeals Peer Review abstract 2 available now * 10 appeals for Peer Review abstract 3	
* To be analyzed by your TT this week	
* Yizhou will send your final score upon request (end of this week)	
*	
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Feedback for 4 <sup>th</sup> Abstract	
Peer Reviewing	
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Review Abstract 4	
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Background	
Background	
Over the last three decades, the world has witnessed the tremendous success of China's economy, which to a large extent is driven by fossil fuel. With the rapid growth of its economy, China's demand for energy is growing at an astonishing speed.	
Problem(s)	

Problem(s)	
Despite this achievement, there remain considerable environmental	
problems in China, such as air pollution and smog, which are a	
direct consequence of the rapid expansion and growth of its coal-	
based energy model. More specifically, air pollution is primarily	
caused by burning coal, together with industrial and transportation	
emissions.	
12	
Solution(s)	
Asi	
T.	
(3)	
Solution(s)	
To address these challenges, China has proposed a series of	
measures, including stricter and stronger air quality standards. In	
addition, other methods, such as replacing fossil fuel with clean,	
renewable energy source and limiting the number of vehicles on	
roads, should be applied to sustainably reduce the consumption of	
coal and emission of oil combustion.	

Evaluation	
Evaluation  While such measures might have an impact on eliminating pollutant emission, it remains to be seen whether these methods will be able	
to fundamentally change the energy model and subsequently improve the air quality in China in the foreseeable future.	
Two more Examples	

In the cold winter, millions of Chinese exposed in dele	terious haze, which appeared		
for coal-fired power plants, factories and oil combustic			
pollution has seriously and slowly impacts on health.			
Problem The development of China especially in the period	of a booming economy has		
increasingly demand for energy, which result in Chi			
power plants. These factories are burning more coal t			
pollution. Above all, the question is whether China pla at current rate regardless of air pollution and to afford			
Solution ¶	ioi tilis metilod.		
There are some solutions to improve the air condition			
key is changing our energy production model fundame			
consumption, developing renewable sources, including and nuclear. The most basic solution is to pull the pl			
trying to quit burning coal and to move away from for			
clean, renewable energy; Secondly, establishing clear			
introducing effective policy instruments to restrict the vehicles. ¶	e growing number of driving	-	
Evaluation ¶			
Further gains in pollution reduction will become more			
potential for getting a grip on pollution will bring much	effect in the long term.		
Example 1			
Background In the cold winter, millions of Chinese are exposed in	in to deleterious haze, which		
appeared for: verb choice coal-fired power plants, fac			
vehicles. This kind: type of air pollution has seriousl	l <mark>y and slowly</mark> : adverb versus		
adjective impacts on health.: problem?  Problem  Problem			
The development of China, especially in the period	of a booming economy, has		
increasingly demand: grammar issue for energy, which	: refers to? result: refers to		
'development'? in China built: grammar issue numero power plants. These factories: choice of summar			
coalthanthat is the prime factor: clarity issue of a			
of linker, the question is: whether China plants:plans	to continue its development		
at its current rate, regardless of air pollution and	to afford for this method:		
incomplete, especially after 'and'. 1			
F l- 1			
Example 1			
Solution ¶			
There are some: A number of solutions are available to	o improve the air conditions:		
singular better for concept terms from getting worse:			
'improve air condition', which key: key of which? in production model fundamentally, such as reducing conditions are such as reducing conditions.			
renewable sources, including: sub-clause of 'such as'?			
and nuclear. The most basic solution is to pull the plug of			
informal!: Firstly, trying to quit: quitting burning coal a fuels, replacing them with clean, renewable energy so			
clear, strict air quality standards, and introducing eff			
restrict the growing number of driving: idling ok? vehicle			
Evaluation  Further gains in pollution reduction will become more	re challenging in the future		
China's potential for getting a grip on pollution: 口语			
long term.: is this your opinion? Or 'experts' say?			
		_	

Example 1	
Solution <sup>¶</sup>	-
There are some: A number of solutions are available to improve the air conditions:	
singular better for concept terms from getting worse: informal, also not matching 'improve air condition', which key: key of which? is to changing our energy	
production model fundamentally, such as reducing coal consumption, developing	
renewable sources, including: sub-clause of 'such as'? hydroelectricity, wind, solar and nuclear. The most basic solution is to pull the plug on its root causes: beautifully	
informal <u>l:</u> Firstly, trying to quit: quitting burning coal and to move away from fossil	
fuels, replacing them with clean, renewable energy sources; Secondly, establishing clear, strict air quality standards, and introducing effective policy instruments to	
restrict the growing number of driving: idling ok? vehicles.	
Evaluation   Custom gains in pollution reduction will become more shallonging in the future.	
Further gains in pollution reduction will become more challenging in the future, China's potential for getting a grip on pollution: 口语 will bring much effect in the	
long term.: is this your opinion? Or 'experts' say?	
Example 2	
Background: According to China's energy statistics book, in recent years, coal consumption of China	
has been increasing with a booming economy and rising demand for energy. Several Chinese	
provinces burned through more coal than numbers of countries' total coal consumption.	
Problems: However, such substantial consumption of coal together with oil combustion of vehicles is probably a major cause of serious air pollution in China. Moreover, air pollution becomes more	
severe as the coal-powered heating system switched on. Therefore, in winter, haze weather	
continually appears in most northern regions of China, leading pollutants at higher levels than	
other seasons. These pollutants indeed impair health and quality of life for people, especially for	
children. •	
Solutions: To address these problems, the effective measures are to fundamentally change energy	
production model and explore renewable sources. In addition, the Chinese government should establish strict and clear air quality standards and curb coal consumption of region.	
Evaluation: Although the Chinese government has proposed several measures to control pollution,	
including monitoring PM 2.5 as air quality standard, it remains to be seen whether these measures	
can achieve further gains, because the reduction of emission owing to technological advancement	
has been affect by the pace of consumption growth. 5	
Example 2	
Background: According to China's energy statistics book, in recent years, coal consumption of China	
has been increasing with a: due to a booming economy and rising demand for energy. Several Chinese provinces burned through: verb choice more coal than numbers of countries' total coal	
consumption.	
Problems: However, such substantial consumption of coal, together with oil combustion of vehicles,	
is <mark>probably a major cause</mark> : matter of opinion, or facts? <u>of</u> serious air pollution in China. Moreover,	
air pollution becomes more severe as <mark>the coal-powered heating system</mark> : which? switched on: refers	
to one time point, or a general phenomenon?. Therefore, in winter, haze weather: 2 nouns	
continually: choice of adjective appears in most northern regions of China, leading: resulting in? pollutants at higher levels than in other seasons. These pollutants indeed: avoid impair health and	
quality of life for people: verb/noun combination, especially for children. \( \frac{1}{2} \)	

### Example 2 ombination. In addition, the Chinese government should establish strict and clear air quality standards and curb coal <mark>consumption of region</mark>: not precise. § Evaluation: Although the Chinese government has proposed several measures to <mark>control pollution</mark> <mark>cluding monitoring PM 2.5 as air quality standard</mark>: control versus monitor, it remains to be seen whether these measures can achieve <mark>further gains</mark>: not mentio<mark>ned before, because t</mark>he reduction of emission owing to technological advancement has been affect: is bein offset/counteracted/compensated by the pace of consumption growth. -> Keep up the good work! Overview 1. Analysis 4<sup>th</sup> Abstract Peer Reviewing 2. Article Use 3. Common mistakes 'THE' versus 'A' -The eternal nightmare-

#### 'THE' versus 'A' (冠词...guan<sub>4</sub>ci<sup>2</sup>) \* the three most common words used in English \* also the most difficult ones! \* one of the most common problems in articles written by Chinese authors \* wrong use resulting in imprecise statements that lack clarity

#### TASK 'Articles'



Select 3 nouns and form sentences with:

- 1. generic use *The*+Singular if available) 2. Singular 'A' 3. Singular 'THE' 4. Plural '\_' 5. Plural 'THE' 6. Plural with 'of'

Example: 1.generic concept: The African elephant is the second largest mammal on the

- planet.

  2. While looking for his pride of lions, he found a dead elephant nearby.

  3. The elephant (the one he found) appeared to be a young male.

  4. \_\_\_\_Elephants are known to live with their herd for many years.

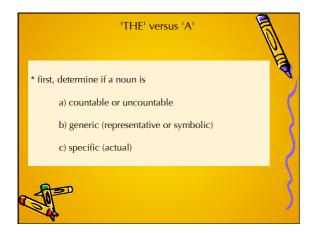
  5. They shot the other elephants further down the track.

  6. The elephants of Asia have been on the run from human predation for contride. centuries.





# Example: 1.generic concept: The African elephant is the second largest mammal on the planet. 2. While looking for his pride of lions, he found a dead elephant nearby. 3. The elephant (the one he found) appeared to be a young male. 4. \_\_\_ Elephants are known to live with their herd for many years. 5. They shot the other elephants further down the track. 6. The elephants of Asia have been on the run from human predation for centuries. TIME 20 min





1. Countability	
Which of these nouns are countable (C) or uncountable (U)?	
commodity research work complication research proliferation computer project recruitment device researcher regulation discrepancy fracture analysis energy information transcription equipment knowledge application	<u> </u>
money evidence temperature problem human acquisition compaction model integrity proposal distribution level theory	
A.	
1. Countability	
1. Countability	
commodity C research U work U complication C project C proliferation U computer C researcher C recruitment U device C fracture U regulation C	
discrepancy C information U analysis C energy U knowledge U transcription U equipment U evidence C application C money U human C temperature C	
problem C model C acquisition C progress U distribution C integrity U proposal C theory C level C	
-> often used in plural form by Chinese writers	
A.	
	_
'THE' versus 'A'	
1. Countability	
вит:	
* five pieces of equipment	
* new research projects	
* a large body of evidence	
* continued <b>proliferation</b> of cells	
* previous signs of similar work	
C	
and the second s	

#### 'THE' versus 'A'



- 2. The Indefinite Article and no article
- $^{*}$  a(n) and one are related, though not identical
- \* a(n) indicates that the noun is any single item, not a specific one.

#### Compare:

Please pass me **a** slice of bread (out of the 5 in the basket)

Please pass me *the* butter (usually only one piece of butter on the table not two or three or more).



#### 'THE' versus 'A'



- 3. The Definite Article
- \* use of definite article PROBLEMATIC especially for non-native speakers!
- \* reason: used in a number of different ways
- \* native speakers intuitively feel how to use it correctly (usually without knowing why)
- \* most important use: when referring to a particular, singular or



#### 'THE' versus 'A'



- 3. The Definite Article
- a) **second mention** (explicit or implicit)

明确的/含蓄的

The surface is covered by **a thin oxide film**. **The film** protects the surface from corrosion.

A very lightweight car was developed, but the vehicle performed poorly in crash tests.

A new computer was purchased to complete the process, but the hard drive was damaged.



'THE' versus 'A'
3. The Definite Article
b) superlatives or ordinals
The most-controlled therapy yielded the best results.
The first studies were conducted in early 1993.
The last security conference was termed a sounding success.
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'THE' versus 'A'
3. The Definite Article
c) Specifiers (same, sole, only, chief, principal)
The same subjects were retested at two-week intervals.
The only research previously done in this area yielded mixed results.
The principal causes of the recent disaster have yet to be
discovered.
4
a
'THE' versus 'A'
3. The Definite Article
d) Shared/Common knowledge or unique reference
The sun rises in the east and sets in the west.
The oxygen balance in the atmosphere is maintained by photosynthesis.
The stars are fuelled by fusion reactions.
The stars are fueriou by fusion reactions.

'THE' versus 'A'	
<u>V</u>	
3. The Definite Article	
e) <b>Of-phrases</b> that indicate postmodification	
The behaviour of this species varies.	
The price of gold fluctuated wildly.	
The results of the investigation were inconclusive.	
•	
'THE' versus 'A'	
<i>W</i>	
3. The Definite Article	
f) Partitive <b>of</b> -Phrases with plurals	
None of the projects was satisfactory.	
Some of the subjects has adverse reactions.	
All of the questionnaires were returned.	
Partitivepart of a whole	
	•
'THE' versus 'A'	
4. Acronyms and Abbreviations	
a/an/none	-
This device contains <b>an LED</b> .	
A TFT was used.	
This computer has <b>a</b> CD-ROM.	
R&D is <b>a high priority</b> .	
NASA is working on <b>a space station</b> .	
How would these sentences have to be changed to justify the use	

#### 'THE' versus 'A'



- 4. Acronyms and Abbreviations
- -> changed to THE (Examples)

This device contains the blue LED he invented last year.

The TFT (we talked about yesterday) was used in this apparatus.

This computer has *the latest model of CD-ROM* available on the

R&D is *the highest priority* in this project.

NASA is working on *the second space station* now (not on *the Mars mission*).

#### 'THE' versus 'A'



- a) countable or uncountable
- b) **generic** (representative or symbolic)
- c) specific (actual)



#### 'THE' versus 'A'

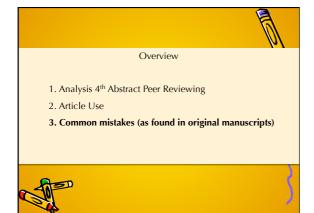


- 5. Generics (relating to a class or group of things)
- \* apart from specific nouns, articles used for generic terms as well
- \* generics as important as specific nouns in academic writing because:
- 1. they occur frequently
- 2. often found in introductions and conclusions
- 3. often associated with topic sentences
- 4. tend to occur in subject positions

# \* refer to something real \* refer an entire class or a representative of a class \* class can be objects, not concepts \* like an archetype, manifests what is typical for the class \* used in formal definitions archetype ... 原型, 典型

'THE' versus 'A'		
5. Generics		
Abstract Generics: The Entire Class	Concrete Generics: A Representative of the Class	
The wasp detects unique volatile compounds over great distances.	A wasp can be trained to detect odors.	
The laser has a great many uses in medicine.	A laser can be used by a surgeon to make very clean cuts.	
The computer has been invaluable in scientific advancement.	Computers are playing a growing role in all aspects of university life.	
-> entire class of objects -> require THE	-> representative of a class -> require A/AN (single countable noun) none (plural countables and uncountables)	

# 5. Generics Verb Tenses with Generic Nouns \* normally only simple present tense used for general statements \* sometime, when talking about processes, present perfect (1) or continuous tense (2) used Example The African elephant has come dangerously close to extinction.



Scientific Writing in English -英语科研论文写作-	
<u>Module 1: The Master Plan</u> How to plan, write, and edit your first manuscript	Timeline September
Module 2: The Magic Toolbox The Art of Academic Writing	October/ November
Module 3: The Land of Chinglish The most common mistakes and how to avoid them	November
<u>Module 4: The Writer as Thinker</u> The Analytical Frame of Mind – An Introduction	December
Module 5: The Scientist with Integrity The Art of avoiding Scientific Fraud	December

### Common mistakes and errors -SUMMARY-



To **delete** from your academic vocabulary:

- \* some (use 'a number of')
- \* obviously (use evidently/visibly/clearly...)
- \* can/can be/could be (too ambiguous)
- \* it (refer to the actual object/subject/agent)
- \* **actually** (not at beginning of sentence, use 'As a matter of fact')
- \* **apostrophes** (accept 'according to the manufacturer's instructions')

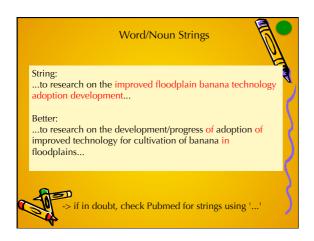
# Common mistakes and errors -SUMMARY-To look out for (appearing in 100% of papers written by Chinese writers): \* noun strings (名词的事) for example: 'Online teacher professional development community' \* multiple plurals in a string of nouns (only LAST noun can be in Plural) for example: courses fund, cases analysis, mountain rural areas development orientation \* too many comma (if more than two, think of using full stops, and remove awkward clauses) Common mistakes and errors -SUMMARY-To look out for (appear in 100% of papers): \* subject-verb disagreement for example: Our study were conducted... \* incorrect use of articles (a/an; the; no article – MOST DIFFICULT!) What is the problem here?

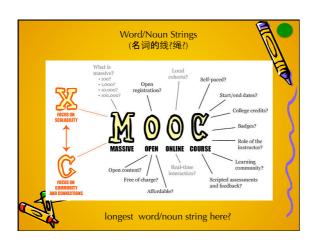
The field data collection of an air pollution epidemiologic study were carried out from 1993 to 1996 in four Chinese

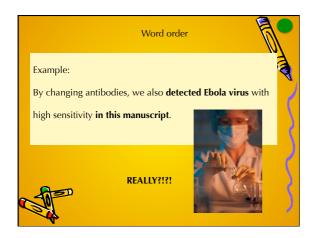
cities.

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## Subject-Verb agreement The field data collection of an air pollution epidemiologic study was carried out from 1993 to 1996 in four Chinese cities. Subject-Verb agreement Remember: \* subject plural -> verb plural \* subject singular -> verb singular (-s form) Word/Noun Strings (名词的线?绳?) String: ...the mountain rural areas development orientation...was investigated... Better: ...the developmental orientation of rural communities in mountainous areas ...was investigated... -> only keep nouns together that are part of a standard term







### Word order Better: (1) Here, we (also) detected Ebola virus with high sensitivity by changing antibodies. (2) In addition, we detected Ebola virus with high sensitivity by changing antibodies (3) Using different antibodies, we were able to detect Ebola virus with high sensitivity. Difficult to teach! Improve through reading with grammar focus Use of Can/Could Example (Introduction): ABC can regulate B through XYZ. -> what is the writers intention here? -> can indicates potential? possibility? Use of Can/Could Example (Discussion/Summary): Our survey results proved that ABC **could** facilitate process B. -> use of 'could' ambiguous in English: past tense? potential?

Better:	
A regulates B through process XYZ.	
(widely accepted fact ->present tense)	
Our survey results <b>proved</b> that ABC facilitates process B.	
(writer indicates that maybe not yet established fact?)	
(miles maleates that maybe not yet established teeth)	
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8.	
What is wrong with this sentence?	
These findings suggest that air pollution might perhaps	
play an important role in the development of asthma in	
children.	
A=1	
V	
Suggest + may/might, perhaps	
""	
Example:	
These findings suggest that air pollution might perhaps play an important role in the development of asthma in children.	
-> One <u>single</u> weak word is sufficient to indicate uncertainty/ assumption/speculation	
Better:	
These findings <u>suggest that air pollution <b>plays</b></u> an important role <b>(</b> in the development of asthma in children.	

Using 'and' to connect unrelated facts	
osing and to connect directated facts	
Example:	
I am reading the newspaper right now, and the newspaper	
costs 2RMB.	
4	
Using 'and' to connect unrelated facts	
Example (Protein crystal structure):	
<u> </u>	
Insert A is involved in the formation of a long ordered loop	
and the sequence of this insert is poorly conserved.	
4	
Using 'and' to connect unrelated facts	
Example (Protein crystal structure):	
<u> </u>	
Insert A is involved in the formation of a long ordered loop.	
Interestingly, the sequence of this insert is poorly conserved,	
suggesting that	
Right conjunction depending on context	-

Apostrophes (省略号) isn't	
However, due to the heterogeneous expression and activity status of	
AR in PCa cells, it's a challenge to investigate the molecular link	-
between AR status and metabolic transition. 口语!	
We also found that the assembled EA1 <sub>30</sub> -MPH <b>didn't</b> show the same	
prominent advantage of enzyme stability at 37℃ and 4℃.口语!	
they help immobilizing the side chains' spatial conformation of the	_
side chains of Asn158, and allows Asn158 to adopt the major	
conformation.	
4,	-
Avoid Apostrophes!	
However, due to the heterogeneous expression and activity status of	
AR in PCa cells, it remains a challenge to investigate the molecular	
link between AR status and metabolic transition.	
We also found that the assembled EA1 <sub>30</sub> -MPH <b>did not</b> show the	
same prominent advantage of enzyme stability at 37 $^{m{\circ}}\!$	
they help immobilizing the spatial conformation of the side <b>chain</b>	
of Asn158, and allows Asn158 to adopt the major conformation.	
•	
Avoid Apostrophes	
not allowed:	
* couldn't; can't, isn't; shouldn't; wasn't; (informal language)	_
to avoid:	
* indicating possession (string danger) for example: students' learning experience	
allowed: * 'according to the manufacturer's instructions'	
according to the manufacturer 5 instructions	





Use of Plural for Uncountable Nouns	
The researches of N-glycoproteins may help us to better understand the biological processes of many diseases and	
	-
Use of Plural for Uncountable Nouns	
STIME STATE	
<b>Research</b> of N-glycoproteins may help us to better understand the biological processes of many diseases and	
4.	
3.	
Use of Plural for Uncountable Nouns	
Rapidly growing evidences have identified a number of	
factors can have significant effects on progress from GDM to T2DM, such as increased weight during pregnancy, higher	
glycated haemoglobin(Hb1AC), fasting blood glucose, the elevated glucagon-like peptide-1 (GLP-1).	

	Use of Plural for Uncountable Nouns		
	There is mounting evidence that a number of factors have significant effects on the progress from GDM to T2DM,		
	)		
Ø			