This course will focus on the following:

1. how to structure a sentence (subject, verb, object)
2. why and how to write short sentences and highlight your key results
3. why and how to avoid redundancy
4. the importance of clarity and how to avoid ambiguity
5. key difficulties of writing the Abstract, Introduction and Discussion

I do not plan to give lots of grammar explanations. However, you can download grammar exercises (+ key) from my website (see bottom of this page).

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Further reading

You might find these two books interesting. You can buy them on Amazon.

*English for Writing Research Papers* (publ. Springer) by Adrian Wallwork

*English for Research: Usage, Style, and Grammar* (publ. Springer) by Adrian Wallwork

Who am I?

To learn more about me, search my name "Adrian Wallwork" on LinkedIn and/or Academia.

My website (where you can download all the lectures): http://adrianwallwork.wordpress.com/
Avoiding long sentences and redundancy

1 The sentence below is from an Abstract. Is it easy to read without much mental effort?

The aim of our study was firstly to assess changes in the level of tolerance of natives of one country towards immigrants over the course of a 50-year period in order to be able to advise governmental agencies on how to develop strategies based on those countries that have been more successful in reducing racism as already investigated in previous studies, but not in such a systematic way, and secondly to establish correlations with data from the USA, which until now have been reported only sporadically.

Now look at the four short sentences below, which have been extracted from the long sentence above. Put them in the most logical order.

1. The main aim was to be able to advise governmental agencies on how to develop strategies based on those countries that have been more successful in reducing racism.

2. The second aim was to establish correlations with data from the USA, which until now have been reported only sporadically.

3. This aspect has already investigated in previous studies, but not in such a systematic way.

4. We assessed changes in the level of tolerance of natives of one country towards immigrants over the course of a 50-year period.

2 Make the sentence below more readable by dividing it up into shorter sentences.

Using four different methodologies, previously used in the literature in separate contexts (i.e. anthropology, biology, physics and soil sciences), each of which gave contradictory results, in this study, the meaning of life, as seen through the perspective of a typical inhabitant of western Europe, was investigated, confirming previous research (Smith et al, 2013) indicating that, as a general rule, we understand absolutely nothing.
We investigated the meaning of life, as seen through the perspective of a typical inhabitant of western Europe. We used four different methodologies, previously used in the literature in separate contexts (i.e. anthropology, biology, physics and soil sciences), each of which gave contradictory results. Our findings confirmed previous research (Smith et al, 2013) indicating that, as a general rule, we understand absolutely nothing.

3 Find the redundant word and delete it, as in first sentence.

1. One **suitable** method is to separate the men from the women.

2. Dynamism and velocity are typical **characteristics** of this species.

3. Their head office is **located** in London.

4. If there is water **present** in the system, this may cause rust.

5. The results obtained **highlight** that \(x = y\).

6. We have made an advance plan for the project.

1) suitable 2) characteristics 3) located 4) present 5) obtained 6) advance
Each of the sentences below contains words or phrases that can be deleted without requiring any other changes. Delete such words and phrases.

The solution **adopted** was to **carry out a** test of all the software on the market.

1. As we have already noted in Section 4.2.1, the presence of x can influence y.
2. However, we have to make use of other techniques.
3. Paint samples, as described previously, normally contain mixtures of different substances.
4. In comparative terms, there is no real difference between x and y.
5. Also, we present simulation results that will provide a two-fold contribution: (i) confirm the effectiveness of ..., and (ii) highlight the importance of ...
6. The document was written in the English language and the contents represent a new innovation in the sector of telecommunications.

1. **As we have already** noted in Section 4.2.1, (the presence of) x can influence y.
2. **However, we have to make** use of other techniques.
3. **Paint samples, as described previously,** normally contain mixtures of different substances.
4. **In comparative terms,** there is no real difference between x and y.
5. **Also, we present simulation results that will provide a two-fold contribution:** (i) confirm ..
6. The document was written in **the English language** and the contents represent an innovation in **the sector of** telecommunications.
5 Replace the *verb + noun* construction with a single verb

<table>
<thead>
<tr>
<th>to reach a conclusion = to conclude</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. achieve an improvement</td>
</tr>
<tr>
<td>2. carry out a test</td>
</tr>
<tr>
<td>3. cause an increase</td>
</tr>
<tr>
<td>4. effect a reduction</td>
</tr>
</tbody>
</table>

1) improve 3) increase 5) search 7) explain
2) test 4) reduce 6) perform 8) change

5b) Delete any redundancy, making any other changes necessary.

1. The work described in this paper draws on research and techniques from two main areas: in Section II-A, a review of previous works in human and robot *attention modeling* is reported; in Section II-B a review on how *attention modeling* research results have been used to explain human *gaze models* and to implement robot gaze models is presented.

2. The innovative element is that the research focuses on performances of SMEs belonging to a specific industry, that is the fashion one (composed by enterprises from textile, clothing and tanning sub-sectors).

3. We investigated two countries (i.e. Italy and France) both of which ...

4. Considerable differences in precipitation levels were observed between the two seasons. During the 2010 growing season, rainfall was about three times higher than in 2011 (1100 mm vs 350 mm). This difference was mainly due to the abundant rainfall occurred in 2010 in the summer and the autumn periods.
1. Section II-A discusses human and robot attention modeling, and Section II-B reviews how attention modeling can support human gaze models and the implementation of robot gaze models.

2. The innovative element is that the research focuses on SME performances belonging to the fashion industry consisting of enterprises from textile, clothing and tanning sub-sectors.

3. We investigated Italy and France both of which ...

4. During the 2010 growing season, rainfall was about three times higher than in 2011 (1100 mm vs 350 mm). This difference was mainly due to the abundant rainfall in 2010 in the summer and autumn periods.

ABSTRACTS

6) Read this abstract about batteries in cell phones. Why is it a bad Abstract?

In the last few years 4G cellular batteries have become increasingly popular in the telecommunications and computer industries. Many authors have studied the various features of such batteries and noted that the lifetime of a 4G cellular battery, in particular those used in the most recent generations of mobile phones, may be subject to the number of times the battery is recharged and how long it is charged for. In addition, it has been found that there is no adequate analytical model to predict this lifetime. Such an accurate model is necessary in order for producers and consumers alike to be able to predict how long the batteries will last and also, in some cases, how they can be recycled. In this work, an analytical model is developed which describes the relationship between the number of times a battery is recharged, the length of time of each individual recharge, and the duration of the battery.
7) Read this revised abstract. Why is it better?

The lifetime of a 4G cellular phone battery may be subject to the number of times the battery is recharged and how long it is charged for. To date, there has not been an adequate analytical model to predict this lifetime. In this work, an analytical model is developed which describes the relationship between the number of times a battery is recharged, the length of time of each individual recharge, and the duration of the battery. This model has been validated by comparison with both experimental measurements and finite element analyses, and shows strong agreement for all three parameters. The results for the proposed model are more accurate than results for previous analytical models reported in the literature for 4G cell phones. The new model can be used to design longer lasting batteries. It can also lead towards further models that can predict battery failure. (145 words)

Now read an analysis of the structure of the abstract above. Match the explanations of what the author is doing (1-5) with the extracts from the paper (a-e).

1) The problem that this paper is trying to resolve. Why did you carry out your project?

2) New solution given by authors of the paper. What makes it different from previous research?

3) Validity of the model. Does it really do what you say it does?

4) Results. What is new compared to previous results?

5) Implications and future work. What does this all mean? What are your conclusions and recommendations? What do you plan to do next?

a) In this work, an analytical model is developed which describes the relationship between the number of times a battery is recharged, the length of time of the individual recharges, and the duration of the battery.

b) The lifetime of a 4G cellular phone battery may be subject to the number of times the battery is recharged and how long it is charged for. To date, there has not been an adequate analytical model to predict this lifetime

c) The results for the proposed model are more accurate than results for previous analytical models reported in the literature for 4G cell phones.

d) This model has been validated by comparison with both experimental measurements and finite element analyses, and shows strong agreement for all three parameters.

e) The new model can be used to design longer lasting batteries. It can also lead towards further models that can predict battery failure.
8) Here is an alternative, less traditional, structure. Which version do you prefer?

We have developed an analytical model which predicts the relationship between the number of times a 4G cellular phone battery is recharged, the length of time of each individual recharge, and the duration of the battery. We validated this model by comparison with both experimental measurements and finite element analyses, and shows strong agreement for all three parameters. The results for the proposed model are more accurate than results for previous analytical models reported in the literature for 4G cell phones. The new model can be used to design longer lasting batteries. It can also lead towards further models that can predict battery failure.

9) Below is a fictitious abstract entitled *Is it Time to Leave Him?* What do you notice about the structure?

(1) Three red flags were identified that indicate that the time to leave him has come. (2) These red flags are: five burps per day, two sitting-zapping sessions per day, and fives games on the Playstation with friends per week. (3) A large number of women have doubts about the right moment for leaving their partner. (4) Often women wait in hope for a change in their partner's habits. (5) One hundred couples were analyzed, recording their daily life for six months. (6) Women were provided with a form to mark the moments of annoyance recorded during the day. (7) Burps, sitting-zapping sessions and games on the Playstation with friends produced the highest index of annoyance. (8) The probability of eliminating these habits was found to significantly low when the three red flags had been operative for more than three months. (9) Thus, these numbers provide a good indication of when the time to leave him has come. (10) With these red flags, women will no longer have to waste their time waiting for the right moment.
INTRODUCTIONS

10) Compare the abstract and the introduction. How are they different?

ABSTRACT When thin brittle rods such as dry spaghetti pasta are bent beyond their limit curvature, they often break into more than two pieces, typically three or four. With the aim of understanding these multiple breakings, we study the dynamics of a bent rod that is suddenly released at one end.

INTRO The physical process of fragmentation is relevant to several areas of science and technology. Because different physical phenomena are at work during the fragmentation of a solid body, it has mainly been studied from a statistical viewpoint [1–5].

11) present simple, present continuous, present perfect, present perfect continuous

1. In the last few years there is / has been considerable interest in ...

2. Although many different approaches have been proposed / have been proposing, to date there is not / has not been an adequate analytical model to solve this issue.

3. For more than a decade analysts are developing / have been developing new ways to improve learning strategies.

4. In the literature there are / have been several examples of new strategies to perform these tests, which all entail / have entailed setting new parameters [Peters 1997, Grace 2004, Gatto 2005].

5. Since 2012 there are / have been many attempts to establish an index [Mithran 2012, Smithson 2014], but until now no one has managed / has been managing to solve the issue of ....

6. As yet, a solution is not / has not been found, although three attempts have been made / have been making [Slimm 2011, Fatz 2013, Yui 2016].

7. Traditionally, researchers always see / have always seen the time factor as a constraint.
8. In the last two years we **are investigating** / **have been investigating** new ways to do this.

9. This **receives** / **has received** much attention in the past decade.

10. Recent developments in this field **lead** / **have led** researchers to consider new ways to do this.

   Such methods **are showing** / **have been showing** very good results.

1) **has been**

2) **have been proposed, has not been**

3) **have been developing**

4) **are, entail (the present perfect would be OK in the first example but not in the second, thus for consistency it is best to use the present in both parts)**

5) **have been, has managed**

6) **has not been, have been made**

7) **have always seen**

8) **have been investigating**

9) **has received**

10) **have led, are showing (have been showing)**

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**12) present simple, present perfect, past simple**

There is some cross-linguistic contrastive research to suggest that a foreigner (1) **is / was** at a disadvantage when writing an academic paper in the English language. It (2) **is / has been / was** suggested, for example, that Asian languages such as Chinese, Japanese and Korean (3) **have / have had / had** different patterns of argument to English [Hinds]. Thus one study (4) **finds / has found / found** that those Korean academics trained in the United States (5) **have written / wrote** in an `English' discourse style [Egginton]. More generally Hinds (6) **has put / put** forward a widely discussed position that Japanese (7) **has / had** a different expectation as to the degree of involvement of the reader compared to English [Hinds].

Research on German (8) **shows / has shown / showed** that German academic writing in the social sciences (9) **has / has had** a much less linear structure than English, to the extent that the English translation of a German textbook (10) **is / was** criticized as haphazard or even chaotic by American reviewers, whereas the original had received no such reviews on the European continent. Similarly, academic Finnish texts (11) **have been / were** shown to differ in the way they use connectors.
4) found (has found / finds) 6) has put / put 9) has written 7) has 10) was 5) wrote 8) has shown 11) have been

13) present simple, present perfect, past simple

The instrument employed (1) is / was a DX model. The apparatus, as provided by the manufacturers, (2) consists / consisted of three containers. The system also (3) comes / came equipped with a pump. The data (4) are / were obtained using a Backman XRZ, which (5) incorporates / incorporated the latest technological advances. The XRZ (6) has / had a fully integrated support mechanism. We (7) tailored / have tailored the XRZ to our own specific purposes. Samples (8) were / have been prepared as described by Schocken [2018] and (9) were / have been weighed in pre-cleaned tubes. The final solutions (10) contain / contained 10% sulphuric acid. Initial studies (11) are / were / have been made using the conditions described above. The traditional approach (12) is / was / has been complicated. Consequently, it (13) is / was / has been decided to adopt a more practical approach, which (14) entails / entailed / has entailed conducting the experiments both inside the laboratory and in the field. The repeatability for 10 replicate injections (15) is / was / has been shown in Table I.
WORD ORDER

14) choosing the best subject to put at the beginning of the phrase

Choose the best sentence (a or b). The parts in bold are designed to show you the main differences in the word order in order to help you choose the best option.

1a) The following are some examples of rare species:
1b) Examples of rare species are the following:

2a) Among the factors which influence longevity of seeds, of particular importance are temperature and moisture content, thus ageing of seeds is tightly linked to conditions of storage.
2b) Temperature and moisture content are particularly important factors influencing the longevity of seeds.

3a) Sometimes 802.16 systems are referred to as Worldwide Interoperability for Microwave Access (WiMAX) systems in the trade press
3b) In the trade press, 802.16 systems are sometimes referred to as Worldwide Interoperability for Microwave Access (WiMAX) systems

4a) However, this operation is only defined for some nouns, which are called countable nouns.
4b) However, only for some nouns this operation is defined, these nouns are called countable nouns

5a) To do this exercise, you do not need to be able to understand the meaning of the technical words.
5b) You do not need to be able to understand the meaning of the technical words in order to do this exercise.

1) a (this reflects the normal word order in English which is to put the subject of the verb at the beginning of the sentence)
   3) b (in the trade press is crucial information which should go first in the sentence)

2) b (as in 1a)
   4) a (the construction in 4b is not correct English)

   5) a (for the same reasons as in 3)
15) direct and indirect objects

*Decide whether the part in bold is in the correct position. If it is not, move it to the correct position.*

1. We consigned **these values** to their respective chemicals.

2. We can associate **the list of points in P** with each cell.

3. X receives **the position of the pointing device** as input.

4. We sent to our co-authors **all the data**.

5. They deferred to the next meeting **the matter**.

  1) OK
  2) OK
  3) OK (as input could also be put after receive)
  4) all the data to our co-authors
  5) They deferred the matter to the next meeting.
16) reducing the number of commas and parts of the sentence

*Complete the indented sentences so that they mean the same as Sentence A. Note that the word order in Sentence A is not correct.*

1a) In Fig. 2 a reference undeformed configuration, named X, and an adjacent deformed configuration, named Y, are shown.
   
   1b) Figure 2 ....

2a) Ten datasets with the same X but a different Y, along with five datasets with a different X but a similar Y, were generated.
   
   2b) A number of datasets were generated: ...

3a) The analytical steps, owing to the difficulties in measuring X, require some simplifications.
   
   3b) Due to ...

4a) We can separate, by splitting these sections in the middle, P and Q.
   
   4b) By splitting ...

1b) Figure 2 shows ... named Y.    

2b) A number of datasets were generated: ten datasets with the same X but a different Y, and five with a different X but a similar Y.  

3b) Due to the difficulties in measuring X, the analytical steps require some simplifications.  

4b) By splitting these sections in the middle, we can separate P and Q.

17) avoiding beginning the sentence with *it is*: 1

*Complete the second sentence so that it means the same as the first.*

1. It is possible to use several strategies to achieve these goals. = Several strategies ...

2. It is possible with this model to give the actual flow rate. = This model gives ...

3. It is certain that the new laws will benefit nuclear research. = The new laws will ...

4. It is mandatory to use X. = X is ...

5. It is possible to demonstrate [Kim, 2014] that ... = Kim [2014] ...

1. Several strategies can be used to achieve these goals.

2. This model gives the actual flow rate.

3. The new laws will certainly/surely benefit nuclear research.

4. X is mandatory.

5. Kim demonstrated that ..
18) adverbs of frequency

Insert the adverbs into the most appropriate position.

1. the patients have complained of fever often
2. we will have problems in this field always
3. this may not have been the case always
4. these findings have been disputed in the literature often
5. this has happened before never
6. we will have to make changes occasionally
7. this does not occur very frequently
8. we have had this problem every now and then

19) past participle

1. The proposed solution / solution proposed in the present paper has three main advantages.
2. The obtained results / results obtained can then be used to determine the cost.
3. The considered samples / samples considered were taken from three different sources.
4. This value concurs with the found amount / amount found.
5. The solutions of treated samples / samples treated with this acid showed a completely different behavior.

1) solution proposed 2) results obtained (obtained results) 3) samples considered 4) amount found 5) samples treated
DISCUSSION

20A Decide in which cases below it would be difficult for the reader to establish who made the confirmation / suggestion.

1. In 2008, we confirmed that Italians are more intelligent than the British [25].
2. In 2007, Carter suggested that complex sentences could also lead to high levels of stress for the reader [36].
3. In 2007, it was suggested that complex sentences could also lead to high levels of stress for the reader [Carter, 36].
4. In 2007, it was suggested that complex sentences could also lead to high levels of stress for the reader [25].
5. In 2007, it was suggested that complex sentences could also lead to high levels of stress for the reader.

1. We clearly indicates that you are referring to your own work.
2. The author is the subject of the verb, so it is clear to the reader.
3. The passive form means that the reader is not sure until the end of the sentence if it was you or another author. A long literature review full of passive sentences is very heavy for the reader.
4. This is ambiguous. Readers cannot know who made the suggestion unless they go to Ref. 25 and see if it was you or someone else.
5. There is no reference. Readers cannot be sure if you made the suggestion or someone else.

20B) The following extract is the first paragraph of a Discussion (though something very similar might also be found in an Introduction). For each verb in bold, try to understand if the verb refers to something Kim (the author) did or found, or to something another author (AA) did or found.

Bilingual children (1) were found KIM / AA to show a greater adaptability to new situations (e.g. change of school, change of diet) and demonstrated a greater ease in communicating confidently with adults [Simons, 1995]. As result of an extensive search for bilingual children in ten European countries, 149 children (2) were identified KIM / AA (Table 1). One hundred and twenty two children with parents of different nationalities (3) were assigned KIM / AA to a group (hereafter Group A). It (4) has been found KIM / AA that those children with parents of the same nationality but who lived in a foreign country (for example, a child with English parents living in Italy) (5) have KIM / AA a greater level of adaptability than those children with parents of different nationalities living in the native country of one of the parents.
21) Compare the version below with Ex 20B. How is the distinction between KIM and AA now clearer?

Bilingual children (1) show a greater adaptability to new situations and demonstrated a greater ease in communicating confidently with adults [Simons, 1995]. Simons investigated children from the US and Canada. On the other hand, the focus of our study was Europe and as a result of an extensive search for bilingual children in ten European countries, 149 children (2) were identified (Table 1). One hundred and twenty two children with parents of different nationalities (3) were assigned to a group (hereafter Group A). It (4) was found that those children with parents of the same nationality but who lived in a foreign country (for example, a child with English parents living in Italy) (5) had a greater level of adaptability …

22) Mark the following in terms of how strong / weak they sound.
a) too strong b) OK (i.e. good for the purposes of not appearing too convinced, too certain or arrogant) c) too weak

1. It may be the case that these findings could possibly find an application in …
2. Other researchers may benefit from …
3. Other researchers should use these findings to …
4. Our findings prove that ..
5. Our findings suggest that ..
6. These findings will certainly be useful for …
7. These findings would seem to suggest that in certain circumstances there might be a possibility to
8. This would seem to indicate that …
9. To the best of our knowledge this is the first time that …
10. We believe that these results show that …
11. We hope that other researchers will

1) c 2) b 3) a - in this context should almost sounds like an obligation 4) a 5) b 6) a 7) c 8) b 9) b 10) b 11) b
Avoiding Ambiguity

23) the, zero article (Ø): general vs specific: 1

(1) The / Ø researchers have a very privileged position as they are paid to do what they like doing. (2) The / Ø researchers in industry tend to be paid more than (3) the / Ø researchers at university. (4) The / Ø researchers at Manchester University are studying ways to improve English as a language of international business communication: the project is called Bizglish. (5) the / Ø only researchers in the project who are not being sponsored by the British government are those from abroad. (6) the / Ø Researchers who started the project have now all left the team.

There are two types of researchers involved in the project. (7) the / Ø researchers who are studying the ways mother tongue speakers communicate and (8) the / Ø researchers studying the way non-native speakers use English. (9) The / Ø researchers who are studying the way non-native speakers use English have provided the most interesting results so far. (10) The / Ø researchers that I met yesterday told me that the project was going very well.

Key: I will give you the answers later.

24) the, zero article (Ø): general vs specific: 2

Check your answers to Ex. 23 by answering the questions below. If your answer indicates that the researchers in question are specific researchers, then you must put the. The numbers below refer to the numbers in Ex 23.

1) Are we talking about specific researchers that we've already mentioned, or all researchers?
2-3) Are we talking about specific researchers that we have already mentioned, or essentially all researchers in industry and all researchers at university?
4) Are we talking about specific researchers at Manchester University that we have already mentioned, or just some researchers at Manchester University that we have not already mentioned?
5-6) Have these researchers already been mentioned in some way? Are they defined in some way? Are they specific researchers or simply researchers in general?
7-8) a) Have these researchers been explicitly mentioned before? b) Could we say: some researchers are studying non verbal ways in which we communicate and others are studying the language we use? c) Could we say (in a similar way): There are two types of researchers involved in the project: English researchers and foreign researchers?
9) Have these researchers already been mentioned? So, are they specific?
10) Does this mean all researchers, some researchers, or very specific researchers?

1) all 2, 3) all 4) some 5-6) they have been mentioned and are thus specific 7-8) a) no b) yes, c) yes 9) yes, specific 10) specific
25) repetition of words to aid reader’s understanding

Decide which form in bold makes the information contained in the sentence quicker and easier for the reader to absorb by not forcing the reader to have to re-read anything.

1. In [14], Gugerevic made a case for blah blah blah blah blah blah blah blah blah blah blah blah. Interestingly, in [15], Yang made a similar proposal to Gugerevic in which he stated that blah blah blah blah blah blah blah blah blah blah blah blah. The former author’s / Gugerevic’s findings thus illustrate that ...

2. Sometimes prion transmission occurs through blood transfusion, contaminated surgical instruments, or skin lesions. In the first case/ a blood transfusion, a breach of the blood-brain barrier may be responsible for the disease.

3. There are two possibilities: either $x = 1$, or $y = 1$. They are mutually exclusively and blah blah blah blah blah blah blah blah blah blah blah blah. The first one / If $x = 1$ then this implies that ....

4. There are several countries involved in this project: Peru, Chile, Honduras and the Philippines, all of whom had very similar initial budgets and, in addition, were all subject to the same qualifying criteria. Note that the latter / the Philippines were the last to join the project which meant that ...

5. Mercury is used for a variety of purposes blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah. In the past, this metal / mercury was considered as being ..

In all cases the second form is the best because it prevents the reader from having to go back to the previous sentence in order to understand / remember what former, first, latter, and metal refer to. You may think such repetition is in inelegant. You should concentrate more on communicating your ideas in the simplest and clearest way possible, rather than being worried about elegance (which is more relevant in the literary world than the academic world). What this exercise also highlights is that concrete specific words are much quicker to absorb than generic and / or abstract words.
26) disambiguating sentences:

Disambiguate the following sentences.

1. To take our children to the party we all used our cars and then we left them there.

2. This should help to prevent piracy of CDs by Americans.

3. We investigated lions and tigers and elephants that are on the endangered species list.

4. We surveyed various immigrants: Tunisians, Moroccans and Senegalese who had entered the country before 2015.

5. After opening the program, the email can be sent to multiple recipients.

6. The fire broke out in the forest bordering the river but was extinguished before any major damage could be done by the local fire service.

7. Instructions for use: These articles are poisonous. If there are children in the house, keep them locked up safely.

8. A full range of games were presented for the men with no balls (e.g. darts, diving, bungee jumping).

9. Being over 500 years old, Dr Alvarez handled the painting with great care.

10. Preserved in a frozen state, Professor Chang examined the samples.

1) To take our children to the party we all used our cars and then we left the children there.

2) This should help to prevent piracy of CDs produced by American artists.

3) We investigated lions and tigers, and also those elephants that are on the endangered species list. // We investigated lions, tigers, and elephants. All three types of animals are on the endangered species list.

4) We surveyed various immigrants - Tunisians, Moroccans and Senegalese - all of whom [assuming that we are talking about all three nationalities] had entered the country before 2015. // We surveyed various immigrants who had all entered the country before 2015: Tunisians, Moroccans and Senegalese.

5) After the program has been opened, the email can be sent to multiple recipients. // When you have opened the program, you can send the email to multiple recipients.

6) The fire broke out in the forest bordering the river but was extinguished by the local fire service before any major damage could be done.

7) These substances are poisonous. If there are children in the house, keep the substances locked up safely.

8) A full range of games requiring no balls were presented for the men (e.g. darts, diving, bungee jumping).

9) The painting was over 500 years old, so Dr Alvarez handled it with great care.

10) Professor Chang examined the samples, which were preserved in a frozen state.