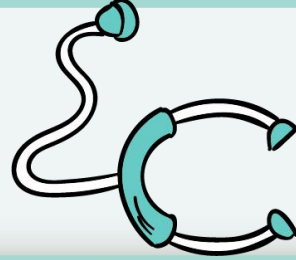


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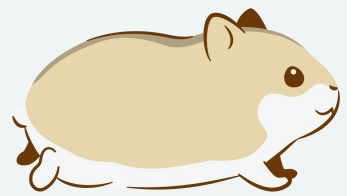
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# Summary writing

上溪中学 朱旭丽



[1] Antibiotics, insulin, organ transplantation, HIV treatments—it reads like an A to Z of medical progress. But the major progress has something in common: they were all developed and tested by using animals. Actually, animals are used for research in a variety of fields. Whether or not humans should use animals for testing purposes, however, is a controversial subject.

[2] Animal testing allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society. For example, many drugs used to treat or prevent cancer, HIV, diabetes, etc, have resulted from tests performed on animals. Many supporters of animal testing support the practice for this reason, even if they do not support testing, or other non-essential substances on animals. No one chooses to use animals where there is no need. In fact, animal research has contributed to 70 percent of Nobel prizes for physiology or medicine.

[3] Animal testing also enables scientists and researchers to test the safety of medicine. Drugs, for example, may create significant risks to humans, so testing them on animals first gives researchers a chance to determine their safety before human trials are performed. While scientists understand the differences between humans and animals, the similarities are considered significant enough to produce relevant data that they can then apply to humans. Animal testing reduces harm to humans and saves lives, not only because the exposure to risky substances is minimized, but because some new medicine and treatments have positive effects on humans' overall quality of life.

[4] However, a significant number of animals are harmed or die as a result of experiments and testing. Those who object to animal testing consider this a very important point, because saving humans from suffering is no excuse for the death of laboratory animals.

# Step 1. Read for the topic, style and structure

## ① Read for the topic:

opinions about animal testing

## ② Read for writing style:

Q: What's the writing style of the passage?

A. Narration    B. Argumentation    ☒ C. Exposition

## ③ Read for structure:

[1] Antibiotics, insulin, organ transplantation, HIV treatments—it reads like an A to Z of medical progress. But the major progress has been tested by using animals. Actually, animals are used for research in a variety of fields. Whether or not humans should use animals for testing purposes, however, is a controversial subject. //

## opinions about animal testing

[2] Animal testing allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society. For example, many drugs used to treat or prevent cancer, HIV, diabetes, etc, have resulted from tests performed on animals. Many supporters of animal testing support the practice for this reason, even if they do not support testing, or other non-essential substances on animals. No one chooses to use animals where there is no need. In fact, animal research has contributed to 70 percent of Nobel prizes for physiology and medicine.

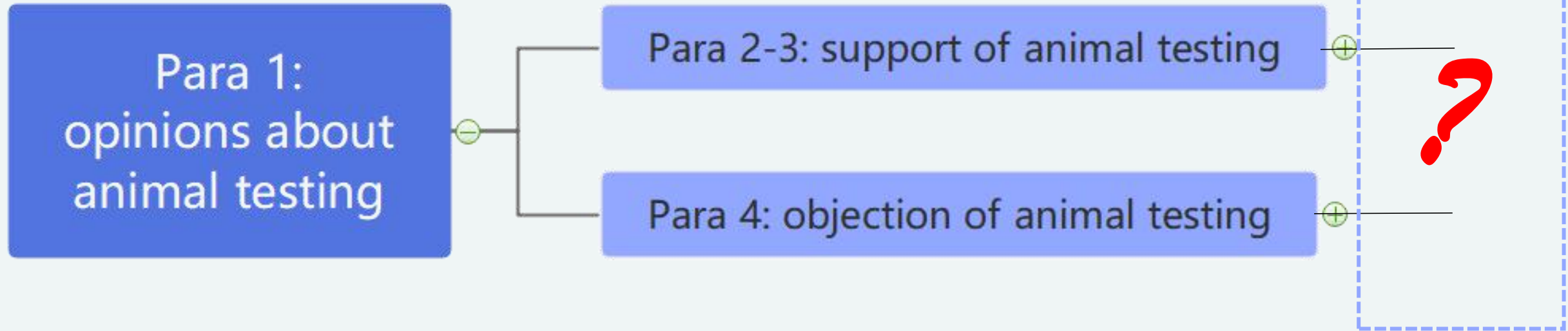
## support of animal testing

[3] Animal testing also ensures the safety of medicine. Drugs, for example, may create significant risks to humans, so testing them on animals first gives researchers a chance to determine their safety before human trials are performed. While scientists understand the differences between humans and animals, the similarities are considered significant enough to produce relevant data that they can then apply to humans. Animal testing reduces harm to humans and saves lives, not only because the exposure to risky substances is minimized, but because some new medicine and treatments have positive effects on humans' overall quality of life. /

[4] However, a significant objection to animal testing is the suffering of experiments and testing. Those who object to animal testing argue that because saving humans from suffering is no excuse for the death of laboratory animals. //

## objection of animal testing

## Step 2. Draw the outline map



Find out the **key points** of each paragraph and try to **enrich the outline map**.

## Para 1. opinions on animal testing

[1] Antibiotics, insulin, organ transplantation, HIV treatments—it reads like an A to Z of medical progress. But the major progress has something in common: they were all developed and tested by using animals. Actually, animals are used for research in a variety of fields. Whether or not humans should use animals for testing purposes, however, is a controversial subject.

## Para 2. support of animal testing

[2] Animal testing allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society. For example, many drugs used to treat or prevent cancer, HIV, diabetes, etc, have resulted from tests performed on animals. Many supporters of animal testing support the practice for this reason, even if they do not support testing, or other non-essential substances on animals. No one chooses to use animals where there is no need. In fact, animal research has contributed to 70 percent of Nobel prizes for physiology or medicine.

## Para 2. support of animal testing

[2] Animal testing allows researchers to discover new drugs and treatments, advancing the field of medicine and improving the health of society. For example, many drugs used to treat or prevent cancer, HIV, diabetes, etc, have resulted from tests performed on animals. Many supporters of animal testing support the practice for this reason, even if they do not support testing, or other non-essential substances on animals. No one chooses to use animals where there is no need. In fact, animal research has contributed to 70 percent of Nobel prizes for physiology or medicine.

cause(reason1)

effect(result)

## Para 2. support of animal testing

[2] Animal testing allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society.

Many supporters of animal testing support the practice for this reason,

➤ Some people support animal testing because it allows researchers to ...

### Para 3. support of animal testing


reason2

[3] Animal testing also enables scientists and researchers to test the safety of medicine. Drugs, for example, may create significant risks to humans, so testing them on animals first gives researchers a chance to determine their safety before human trials are performed. While scientists understand the differences between humans and animals, the similarities are considered significant enough to produce relevant data that they can then apply to humans. Animal testing reduces harm to humans and saves lives, not only because the exposure to risky substances is minimized, but because some new medicine and treatments have positive effects on humans' overall quality of life.

## Para 4. opposition of animal testing

cause

effect

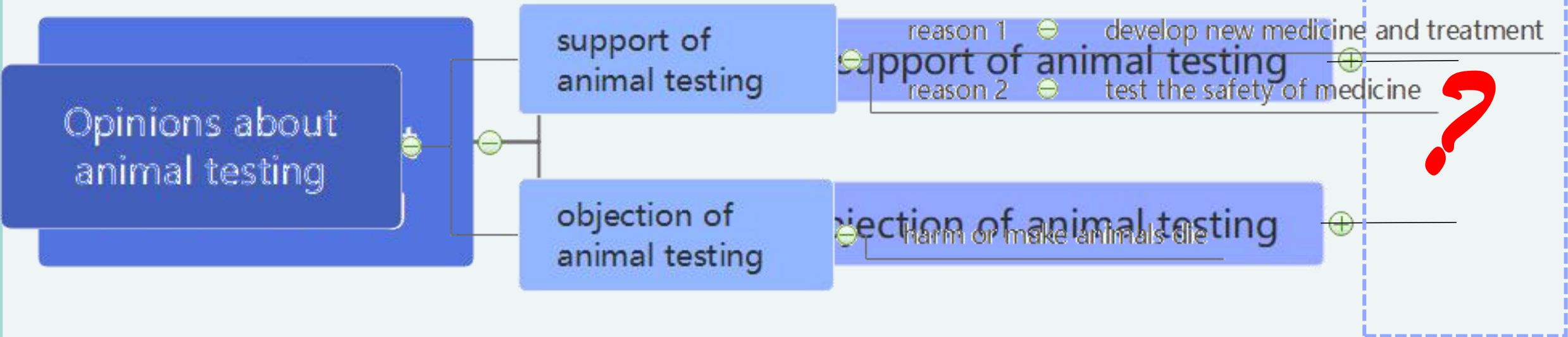
[4] However, a significant number of animals are harmed or die as a result of experiments and testing.  who object to animal testing consider this a very important point, because saving humans from suffering is no excuse for the death of laboratory animals.

## Para 4. opposition of animal testing

[4] However, a significant number of animals are harmed or die as a result of experiments and testing. Those who object to animal testing consider this a very important point, because saving humans from suffering is no excuse for the death of laboratory animals.

➤ Some people object to animal testing because a significant number of animals are harmed or die as a result of experiments and testing.

# The outline map of the whole passage



## Step 4. Rewrite the sentences by using some skills

Para 1: Whether or not humans should use animals for testing purposes, however, is a controversial subject.

Para 2-3: Some people support animal testing because

**reason 1:** It allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society.

**reason 2:** It enables scientists and researchers to test the safety of medicine.

Para 4: Some people object to animal testing because a significant number of animals are harmed or die as a result of experiments and testing.

Para 1: Actually, animals are used for research in a variety of fields. Whether or not humans should use animals for testing purposes, however, is a **controversial** subject.

**Diversify(多样化)  
the sentence patterns**

**base—raising arguments**

- Opinions vary greatly when it comes to ...
- Opinions on ... differs/are divided.
- Mixed opinions exist on ...
- There is much controversy over ...
- It's controversial whether ...
- ...has caused quite a stir among the general public.
- Different arguments arise about ...

➤ Opinions on ...  
testing purposes

**Change the sentence  
patterns**

➤ It's controversial whether animals should be used for testing purposes.

➤ Different arguments arise about whether animals should be used for testing purposes.

Para 4 Some people **object to** animal testing **because a significant number of** animals are **harmed or die as a result of** experiments and testing.

**object to:**

change the part of speech(转换词性): **objection**

use synonyms(同义替换): **against, oppose, be opposed to, disapprove**

use converse expression(反义表达): **few/not many people support**

**a significant number of:**

**a large number of, an enormous number of, a large quantity of, a great many ...**

**harm or die:**

**cause harm to, be harmful to, cause death ...**

**because/ as a result of:**

# Language database—cause & effect

## Effect + Cause:

- She has been absent from work **due to** illness.
- We are still dealing with problems **resulting from** errors made in the past.

- because of/owing to/due to/as a result(consequence) of...
- result from/be caused by...
- ...is also the direct consequence of...

## Cause + Effect:

- It seemed that water **was to blame for** this disease.
- Hard work **leads to** success.

- bring about/contribute to/result in...
- be responsible for/be a leading cause of...
- ...lead to the fact that.../ ...is the contributing cause why.../ ...is one of the reasons accounting for...
- Due to the fact that.../ On account of the fact that..

Para 4 Some people **object to animal testing because a significant number of animals are harmed or die as a result of** experiments and testing.

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➤ Some people **are against animal testing owing to the fact that it causes harm even death to an enormous number of animals due to** experiments and testing.

➤ **On account to the fact that** experiments and testing **cause harm even death to a large number of animals, some people are opposed to** animal testing.

Para 2-3: Some people support animal testing because

**reason 1:** It allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society.

**reason 2:** It enables scientists and researchers to test the safety of medicine.



Para 2-3: Some people support animal testing because

**reason 1:** It allows researchers to develop new medicine and treatments, advancing the field of medicine and improving the health of society.

**reason 2:** It enables scientists and researchers to test the safety of medicine.

- Some **are in favor of/advocate** animal testing **owing to/ due to/ on account of the fact that** it **not only contributes to** the medical development and the improvement of people's health **but also** examines the safety of medicine without risking humans' lives.

## Step 5. Polish the summary with linking words.

additionally, besides, furthermore,  
moreover, apart from, along with...

Opinions about  
animal testing

support of  
animal testing

reason 1 ⊖ develop new medicine and treatment

reason 2 ⊖ test the safety of medicine

objection of  
animal testing

harm or make animals die

but, however, instead, nevertheless,  
on the one hand/ on the other hand,  
in contrast, in spite of...

## Step 5. Polish the summary with linking words.

Although animals are used in various researches, it's controversial whether animals should be used for testing purposes. **On the one hand**, some advocate animal testing for it **not only** contributes to the medical development and the improvement of people's health **but also** examines the safety of medicine without risking humans' lives. **On the other hand**, some oppose it because it causes harm even death to an enormous number of animals due to testing.

# How to write a good summary

1 Read for topic, style & structure

2 Draw the outline map

3 Figure out the key points of each part

4 Rewrite the sentences by using some skills

5 Polish the summary with the linking words

Use synonyms

Use converse expression

Change the part of speech

Change of words

Change the sentence patterns

Diversify the sentence patterns

Change of sentences

Thank you!

