

Unit 4

Protecting the Environment

Heaven does not speak in words. It speaks through the rotation of four seasons and the growth of all living things.

— Confucius

Getting Started

Look at the picture on the left and answer the questions.

1. What is the possible relationship between the two polar bears?
2. What might have separated them from each other?
3. What could humans do to help solve their problem?

《高中英语》（上外版）

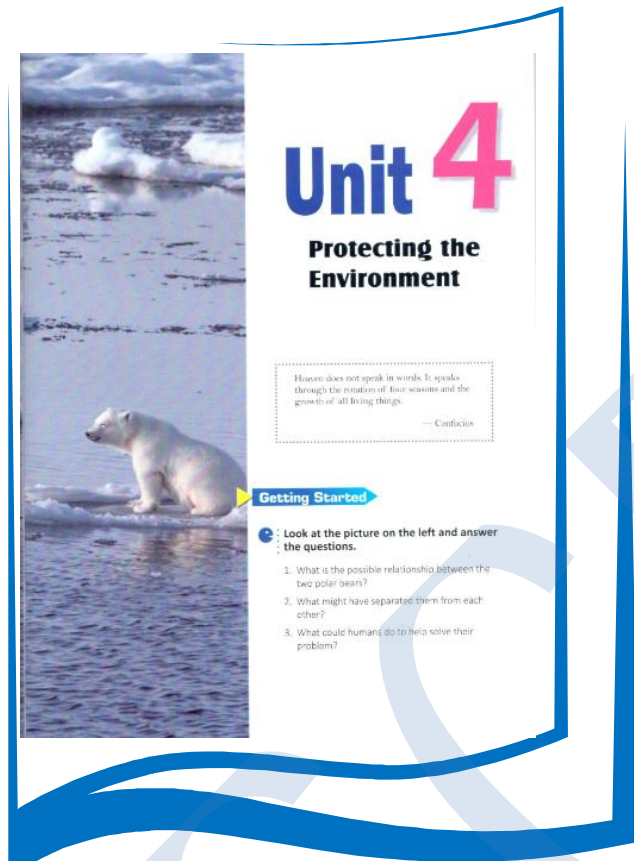
选择性必修第三册第四单元

Protecting the Environment

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《高中英语》（上外版）

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课时	授课内容
1	Getting Started/ Reading A
1	Reading A/ Vocabulary Focus
1	Reading A/ Grammar in Use
1.5	Listening, Viewing and Speaking
1	Reading B
0.5	Critical Thinking
1	Writing
1	Further Exploration/ Self-assessment

学习目标 **Learning Objectives:**

At the end of the lesson, you will be able to ...

1. 能利用“问题-解决”模式就特定的环境问题从不同角度提出解决方案；
put forward various solutions to specific environmental problems in the
“problem-solution” pattern;
2. 能根据一定的评价标准对所提出的问题解决方案进行可行性评价；
evaluate feasibility of the proposed solutions with the criteria established;
3. 能了解人与环境的关系，树立环境保护的意识。
understand the relationship between human and the
environment and establish the awareness of environmental
protection.



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Getting Started

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What environmental problems have been discussed in this unit?

➤ Reading A:

➤ Listening:

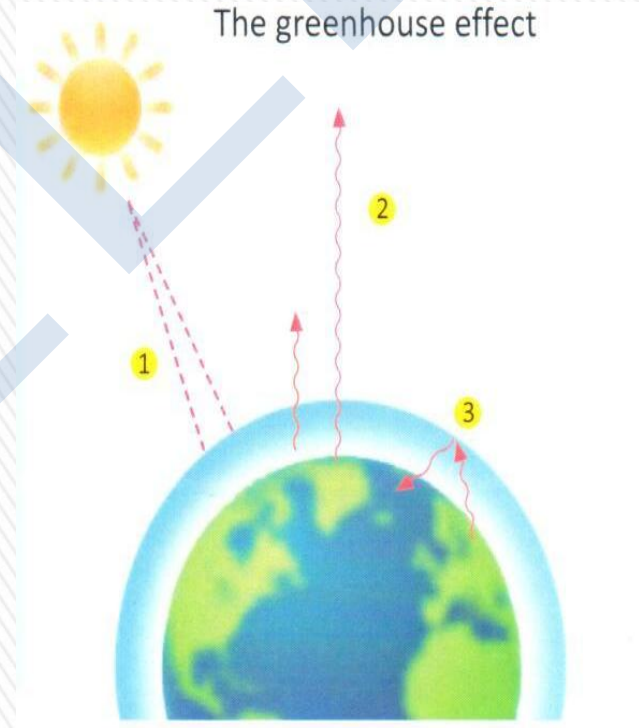
➤ Viewing:

➤ Cultural Link:

➤ Reading B:



Reading A



global warming



➤ **Listening:** cutting-down of the rainforest

➤ **Viewing:** disasters (hurricanes, earthquakes, floods, and droughts)

➤ **Cultural Link:** carbon footprint



Reading B



waste in the ocean



Solution 1

For organisations:

Organisations like Ocean Conservancy have organised International Coastal Clean-up.

Expected result: By cleaning up rubbish you are protecting the ocean environment and the animals that live there.

Solution 2

For individuals:

- 1) Individuals should use less packaging and pay attention to where they throw away the rubbish.
- 2) Individuals can also take part in ocean clean-up day.

Expected results:

- 1) Less packaging and fewer products are a step on the way to more sustainable development.
- 2) If rubbish is picked up from the beach, it will not flow out to the ocean and cause problems for animals that eat it or become trapped in it.

Are the solutions feasible?

How can we evaluate the feasibility of a solution?

The Criteria for the Feasibility of a Solution

☐ Is the cost of time, money or energy within a reasonable range?

☐ Can it be done in practice?

☐ Will it be effective?

...



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Complete the diagram about the problem of global warming.

Problem with the earth

Problem: Global warming

Consequences of the problem:

Solutions to the problem

Solution 1

For organisations:

Expected result:

Solution 2

For individuals:

Expected results:

Conclusion:

Critical thinking

Present ideas and make comments on the feasibility of the solutions based on the criteria.

Solutions	Expected results	My comments

The Criteria for the Feasibility of a Solution	
<input type="checkbox"/>	Is the cost of time, money or energy within a reasonable range?
<input type="checkbox"/>	Can it be done in practice?
<input type="checkbox"/>	Will it be effective?
...	

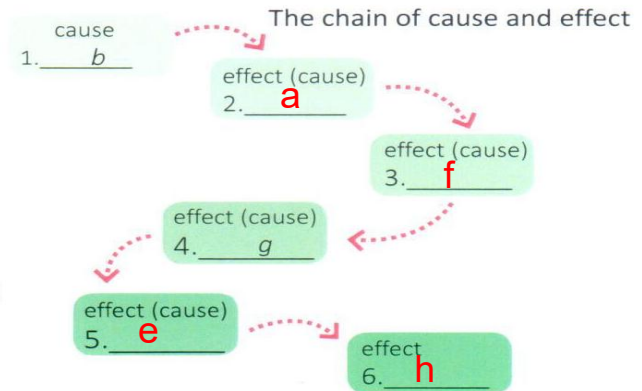
Problem with the earth

Problem: Global warming

Consequences of the problem:

Global warming increases the possibility of extreme weather events, accelerates the melting of ice caps and the rise of sea level, etc.

- ☒ a. greenhouse effect
- ☒ b. carbon dioxide
- ☐ c. oxygen
- ☐ d. urban heat island effect
- ☒ e. the rising sea level
- ☒ f. increased temperature
- ☒ g. the melting of ice caps
- ☒ h. the flooding of low-lying areas
- ☐ i. changeable weather
- ☐ j. hydrogen



Solution 1

For organisations:

1) Organizations like China Environmental Protection Foundation have organised “Automotive Environmental Innovation Leadership Program”.

Expected Result: By this program, more eco-friendly cars will be developed.

2) Ant Financial Service Group has launched Ant Forest program.

Expected result: Ant Forest has motivated a half-billion people to jointly protect the environment by turning their green deeds into an afforestation campaign.

Solution 2

For individuals:

1) Individuals can reduce waste by choosing reusable products instead of disposables.

Expected result: By recycling, you can save the resources.

2) You can reduce the use of electricity, water and gas, like taking public transportation instead of private cars.

Expected result: By reducing the use of electricity, water and gas, you can save energy and reduce greenhouse gas emission.

Conclusion: If we all make efforts to reduce greenhouse gas emission, global warming will be slowed down and the environment will be more pleasant.

**Person by person, family by family,
community by community,
together, we, can make a
difference to the environment.**



Homework:

Analyse another environmental problem in the “problem-solution” pattern by completing the diagram in the worksheet.



Thank you!