

新人教版 选择性必修 1
Unit 5 Working the Land
Using Language (2) : Chemical Versus Organic Farming
导学案

一、单元学习主题

人教高中英语选择性必修 1 (2019 版) Unit 5 Working the Land



本单元主题语境是人与自然，自然生态主题群下的子主题“人与生产、社会发展与环境的 关系”。探讨了一系列与农业相关的热点问题，提供了多模态语篇素材，介绍了化学耕作与有机 耕作。

二、单元整体解读：

本单元主题语境是“人类生存、社会发展与环境的 关系”，Evaluate chemical farming and organic farming 部分以“评估化学耕作和有机耕作”为活动主题，思考耕作方式与农业可持续 发展的 问题。

三、文本分析：

本节课是一篇说明文，主题是“评估化学耕作和有机耕作”文本分为三部分：第一部分为 文章第一、二自然段，介绍了化学耕作方式；第二部分为文章第三、四自然段，介绍了有机耕 作方式；第五自然段为文章的第三部分，谈了自己的看法。文章主题与本单元主题语境相关， 有助于对主题意义的探究。文本分别介绍了化学耕作和有机耕作两种耕作方式的特点，分析了 各自的优缺点，最后的结论是人类如果想要吃得饱，又吃得健康，同时保持环境的可持续发展， 还有很长的路要走。文本结构清晰，逻辑条理分明，为写作提供很好的范本。

四、课型解析：

文章通过说明、举例、对比等写作手法，对化学耕作与有机耕作进行了对比，文章中用了一些 连接词来体现句子之间的关系，并使用主语从句来为文章添色。本文语言生动简洁，结构 层次分明，合乎逻辑。

I. 【教学目标】 Learning Objectives:

By the end of this class, students will be able to:

1. know the difference between chemical farming and organic farming.
2. work out the content, structure and language features of the text;
3. know the writing skills of an argumentative essay, such as illustrating, giving examples or making contrast;
4. write your opinion in an essay about chemical farming or organic farming.

II. 【教学重点】:

1. Help students distinguish chemical farming and organic farming .
2. Encourage students to express their opinions on the way of farming.

III. 【教学难点】

1. Enable students to know some detailed information about organic farming and chemical farming.
2. Enable students to talk with their peers about the way of farming.

IV. 【教材分析】:

The theme of this unit is about the introduction of agriculture, while the theme of using language is about “chemical farming and organic farming”.

V. 【教学过程】 Teaching procedures:

Step 1: Pre-reading:

Make a judgement: which is chemical farming and which is organic farming.

Q1: What is the substance we put on the soil to make crops grow?

Q2: What kind of fertilizers do farmers use?

【设计意图】根据图片区分了解化学耕作和有机耕作，预测文章的内容。

【核心素养提升点】

学习能力：感知话题语言，提升表达能力。

Step 2. Pre-reading: think and discuss:

Q1: What're the advantages of organic farming?

Do you usually eat organic food? Do you think organic food are more healthy?

What are the disadvantages of using chemical fertilizers?

【设计意图】

通过提问，让学生根据自己的背景知识判断图片上的农业类型，充分利用学生的背景知识，激发学生的兴趣。

【核心素养提升点】

思维品质：培养学生主动收集、整合的能力，发展批判性思维。

Step 3. Pre-reading: prediction

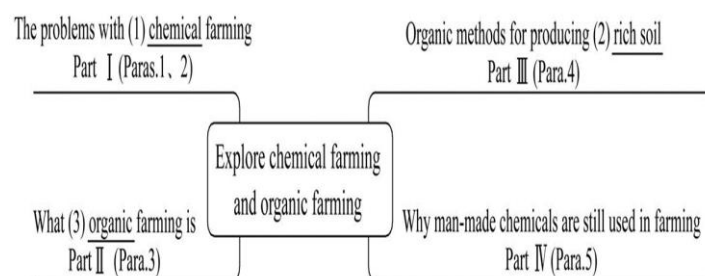
Read the text, check your prediction and answer the questions:

What is chemical farming?

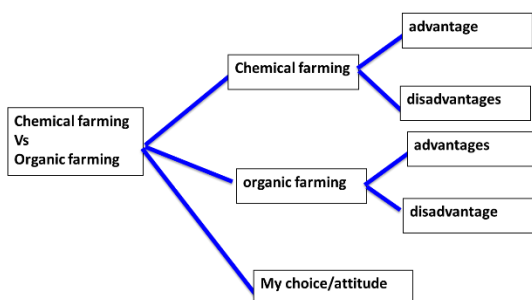
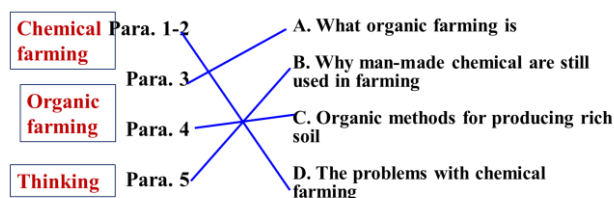
What is organic farming?

Step 4. While-Reading:

Activity 1: 整体理解



Activity 2: Read the text and then Match the main idea with each paragraph.



【设计意图】获取各段段落大意，总体上把握文章内容，理解文章的篇章结构。

【核心素养提升点】

学习能力：感知话题语言，提升口头表达能力。

Q1. Why did many farmers welcome the introduction of chemical farming?

Advantages:

Many farmers welcomed them as a great way to fight crop disease and increase production.

Q2. What concerns many people about the use of pesticides?

Disadvantages:

Their long-term use can sometimes harm both the land and people's health.

Q3. What is one problem with the use of chemical fertilisers? (Para2)

Disadvantages:

Crops grown with them usually grow too fast to be rich in nutrition.

chemical farming

Advantages	Disadvantages
1. fight crop disease	◆ harming the land: killing harmful <u>bacteria and insects</u> as well as <u>the helpful ones</u>
2. increase production	◆ harming people's health: These chemicals may make people <u>ill</u> and even <u>cause cancer</u> ◆ Crops grow too fast to be <u>rich in nutrition</u> .

Q4: What is organic farming and how is it different from chemical farming? (Para 3)

Organic farming is simply farming without using any chemicals.

Organic farmers focus on keeping their soil rich and free of disease through natural means.

Q5: What are the organic methods mentioned in the text?

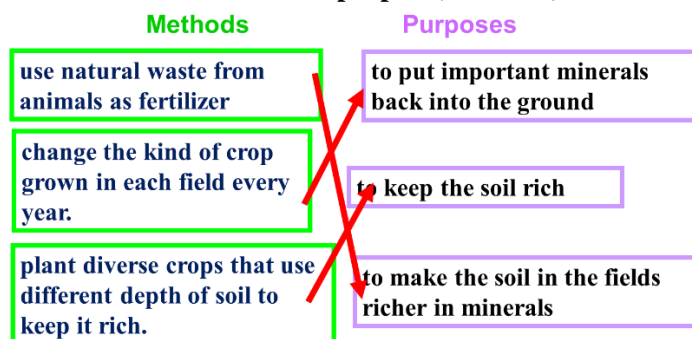
1. use natural waste from animals as fertilizer.
2. change the kind of crop grown in each field every year.
3. plant diverse crops that use different depth of soil to keep it rich.

【设计意图】通过完成表格，概括有机农业和化学农业的优缺点，培养学生的概括能力。

【核心素养提升点】

学习能力：提升概括表达能力。

Match the methods with its purpose(Para3&4)



Q: What's the goal of using different organic farming methods? (Para.4)

The goal of using different organic farming methods is to grow good food while avoiding damage to the environment or to people's health.

Q: Why can't we stop the use of man-made chemicals in agriculture entirely? (Para 5)

- A. Organic farming cost us a lot of money.
- B. Organic farming can meet people's need.
- C. Chemical farming brought us huge profit.
- D. Chemical farming helps serve the need for food.

【设计意图】引导学生进一步思考有机农业的相关优缺点

【核心素养提升点】

学习能力：提升语言表达能力

Paragraph	Main Idea	Detail
1-2		<ul style="list-style-type: none"> Pesticides can kill helpful bacteria and insects Some pesticides have been prohibited because of the damage they use Crops grown with chemical fertilisers usually grow too fast to be full of nutrition.
3		<ul style="list-style-type: none"> Many organic farmers use natural waste from animals as fertiliser.
4		<ul style="list-style-type: none"> They often change the kind of crop grown in each field every year. They also plant crops that use different depths of the soil to help keep it rich.
5		<ul style="list-style-type: none"> Organic farming is nowhere near able to meet the high demand for food around the world

I. 阅读课文，判断信息正误

- () 1. Chemical pesticides and artificial fertilisers can fight crop disease and increase production.
- () 2. Pesticides can damage the land by only killing harmful bacteria and insects.
- () 3. Chemical fertilisers make crops grow fast to be rich in nutrition.
- () 4. Organic farmers keep their soil rich and free of disease through natural means.
- () 5. Organic farming serves the high demand for food around the world.

【答案】1—5 TFFTF

II. 阅读课文，选择正确选项

- () 1. Why did many farmers welcome the introduction of chemical farming?
- A. They can fight crop disease and increase production.
- B. They harm both the land and people's health.
- C. They can help produce rich soil.
- D. They are not expensive.
- () 2. What concerns many people about the use of pesticides?
- A. Pesticides can damage the land.
- B. Chemicals can stay in the soil for a long time.
- C. Pesticides can kill harmful bacteria and insects.
- D. Chemicals may make people ill and even cause cancer.
- () 3. Why do organic farmers change the kind of crop grown in each field every few years?
- A. It helps put important minerals back into the ground.
- B. It can avoid damage to the environment.
- C. It can help increase output.
- D. The writer didn't tell us.
- () 4. Why can't we stop the use of man-made chemicals in agriculture entirely?
- A. Organic farming cost us a lot of money.
- B. Organic farming can meet people's need.
- C. Chemical farming brought us huge profit.
- D. Chemical farming helps serve the need for food.

Step 5. Post-reading:

Fill in the table according to the passage

Farming	Benefit	Problem	Solution
Chemical farming			
Organic farming			

【设计意图】从不同角度介绍和分析了两种耕作方式的优点和缺点，按照“Benefits-Problems-Solutions”逻辑层次，探讨农作物生产的客观现状和解决问题的路径。

【核心素养提升点】

思维品质： 实现深度学习，促进能力向素养转变。

Step 6. Post-reading: Reread the passage and fill in the blanks.

With the development of society, chemical pesticides and artificial fertilisers have been in (1)_____ use in farming for many years. They can help fight crop (2)_____ and increase production. However, they can cause many problems (3) _____. For instance, pesticides can kill (4)_____ bacteria and insects and crops grown with chemical fertilisers usually grow (5) _____ to be full of nutrition. As a result, many people worry they may make them ill and even cause cancer. To tackle this problem, farmers use natural waste as (6) _____ and they often change the kind of crop grown in each field every year and they also plant diverse crops that use different (7)_____ of soil to help keep it rich. But organic farming is nowhere near able to (8)_____ the high demand for food. Therefore, there is still a long way to find a (9)_____ solution that puts sufficient food on the dinner table while keeping people and the environment as (10)_____ as possible.

II.概要写作

(根据教材语篇内容写一篇 60 词左右的内容概要)

参考范文

Though chemical pesticides and artificial fertilisers have been used widely in the world, (要点 1) scientists found using them for long can harm the land and people's health as well.(要点 2) To solve the problem, organic farming comes into being.(要点 3) However, organic farming can't meet the high demand for food around the world, so a suitable solution will have to be found.(要点 4)

【设计意图】学生讨论化学耕作和有机耕作的优缺点，思考利弊，写出概要。

【核心素养提升点】

学习能力：培养学生围绕主题，开展阐释等交流活动

Step 7. Writing:

Write an argumentative essay giving your opinion on chemical or organic farming.

发表议论就是通过议论或说理来表达作者的见解和主张，作者对某一问题持有一种看法，为了使读者同意自己的看法，提出若干理由，试图说服别人。

发表议论时，我们要注意三个要素：论点、论据、论证。

1. Discuss these questions in groups.

- Is the author of the passage for or against organic farming? How do you know?
- What other disadvantages of chemical farming did the author not list?
- How might the following items be problems and how important are they for organic farming?

Q:What other disadvantages of organic farming can you think of ?Homework:

2. Decide whether your group supports chemical farming or organic farming.

Topic sentence: In my opinion, _____ farming is preferable to _____ farming because _____	
Point 1:	_____
(Detail)	_____
Point 2:	_____
(Detail)	_____
Point 3:	_____
(Detail)	_____
Conclusion:	_____

【设计意图】学生基于对文本内容的分析，对语言特点和结构的把握，同时在写作大纲的帮助下完成写作任务。学生交换初稿，利用评价清单润色改进自己的写作，使内容更加完整，符合逻辑，语言准确恰当。

【学后反思】

1. 能否正确评估化学农业和有机农业？
2. 能否按写作要求完成对化学农业或有机农业的看法的习作？

【板书设计 Blackboard Design】

Blackboard Design

Blackboard
Design

Unit 5 Working the Land

Using Language: Chemical Versus Organic Farming

chemical farming

Advantages	Disadvantages
1. fight crop disease	◆ harming the land: killing harmful <u>bacteria and insects</u> as well as <u>the helpful ones</u>
2. increase production	◆ harming people's health: These chemicals may make people <u>ill</u> and even <u>cause cancer</u> ◆ Crops grow too fast to be <u>rich in nutrition</u> .

Farming	Benefit	Problem	Solution
Chemical farming			
Organic farming			