

NPC Self Study Work 13th May 2020 (Geography 2A 2C)

S.2A S.2C	Geography	<p>Watch a video about Advantages and negative impacts of scientific farming methods in China at https://www.youtube.com/watch?v=-7SdtagMPp4&feature=youtu.be and complete the following 2 tasks:</p> <ol style="list-style-type: none">1. Answer 10 questions on the video.2. Write a movie report summarizing the advantages and negative impacts of scientific farming methods in China in 150 words. Note (a), (b) and (c) may help you. <p>E-mail your work to tg@npc.edu.hk on or before 19th May, 2020. Name your WORD file '<u>S2 Geography Video Report on Advantages and negative impacts of scientific farming methods of China</u>'. Remember to show your <u>name, class and class no.</u> in your file.</p>	1 hr.	TG
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Part 1 Answer 10 questions on the video.

C3 - Unit 4 (Advantages and negative impacts of scientific farming methods)

Complete the following questions to check your understanding on new concepts. Put a ✓ in the box against the correct answer. (10 marks)

1. Scientific farming methods can help farmers to overcome the _____ .
A. high capital input on farms B. physical and human constraints
2. Which of the following is NOT an example of scientific farming methods?
A. Greenhouses B. Agrochemicals
C. Digging wells D. GM crops
3. _____ allow(s) farming activities to be carried out in arid regions.
A. Agrochemicals B. Greenhouses
C. Irrigation systems D. The development of freeze-resistant crops
4. Greenhouses CANNOT protect crops from _____ .
A. typhoons B. earthquakes
C. pests D. rainstorms
5. Farmlands in rural areas are usually small in size. This hinders the use of _____ .
A. pesticides B. large farming machinery
C. fertilisers D. greenhouses
6. Many farmers in China lack _____ to apply scientific farming methods.
A. capital B. irrigation water
C. labour D. fertile soil

7. Scientific farming methods may cause negative impacts, especially to the _____ .
 A. economy B. society C. environment
8. Large amounts of residuals of chemical fertilisers favour the growth of _____ in water bodies.
 A. crops B. fish
 C. ducks D. algae
9. Many organisms die of eutrophication because the water is lack of _____ .
 A. chemicals B. minerals
 C. oxygen D. nutrients
10. The use of large farming machines may _____ .
 A. attract pests B. kill livestock
 C. cause water pollution D. increase soil erosion

Part 2

Write a movie report summarizing the physical and human farming problems in China in 150 words. Note (a) and (b) may help you.

Note (a)

China uses various scientific farming methods to overcome farming constraints:

1. <i>Agrochemicals</i> : Improve soil fertility / kill pests and weeds	4. <i>Greenhouses</i> : Overcome poor physical environment / increase production
2. <i>Farm machinery</i> : Increase efficiency of farm production / reduce the problem of labour shortage	5. <i>Better breed of crops / livestock</i> : Overcome poor physical environment / increase production
3. <i>Irrigation systems</i> : Supply water for crops	

Note (b)

The achievements and limitations of scientific farming methods in China:

<i>Achievements</i>	<i>Limitations</i>
Raised farm <u>productivity</u> to maintain a steady <u>growth</u> in local food production.	<ul style="list-style-type: none"> - Farms are <u>small</u> in size that only small machines can be used. - Many farmers lack the <u>capital</u> to buy farming technologies. - Farmers are less <u>educated</u> and unwilling to learn new farming methods.

Note (c)

Unit 4

Scientific farming methods

Scientific farming methods

- Use of agrochemicals such as chemical fertilisers and pesticides
- Irrigation systems provide water for crops
- Use of farming machinery reduces the demand for labour
- Greenhouses provide the best growing conditions for crops
- Better breed such as hybrid and genetically-modified food

Further study

Can GM food relieve the growing demand for food in China?

Limitations of China

- Small farm size
- Lack of capital
- Low level of education

Negative impacts

- Pollution
- Land degradation
- Disturbance to ecosystem