Revision and Assessment Pack ③

Junior Secondary
Exploring Geography
Third Edition

Part Tests

OXFORD
UNIVERSITY PRESS

Contents

Name:_____ (   ) Class:_____ Date:_____

Part 3 Food problems

Time: 1 hour

Marks: /100 marks

Multiple-choice questions (28 marks, 2 marks each)

1 Which of the following descriptions about farming system are correct?

1   Labour is an example of physical inputs.

2   Farming processes are farm works that convert inputs into outputs.

3   Money from selling useful outputs is put back into the system as feedback.

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

2 Figure 1 shows a farming activity in the United Kingdom. Which of the following descriptions about the farming activity is correct?

(Credit: Dan Davison/Wikimedia Commons)

(Credit: Reshaiq Bayramli/ Wikimedia Commons)

Figure 1

A   It is mixed farming.

B   It is arable farming.

C   Farmers use simple farm tools.

D   Farm produce is mainly for the farmer's family consumption.
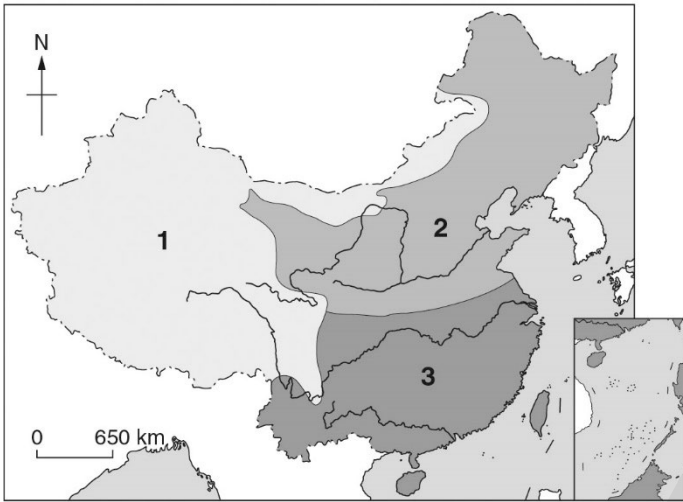
Refer to Figure 2 and answer Questions 3 and 4.

Figure 2

3 In which region(s) is arable farming commonly found?

A 1

B 2

C 1 and 3

D 2 and 3

4 Which of the following are farming characteristics in Region 1?

1 Farm size is large in general.

2 Major farm outputs are meat and wool.

3 Capital and technological inputs are large.

A 1 and 2 only

B 1 and 3 only

C 2 and 3 only

D 1, 2 and 3

5 The table below shows the per capita consumption of grain as well as meat in China in 2013 and 2019.

	2013	**2019**
Grain (kg)	148.7	130.1
Meat (kg)	32.8	37.7

Source: China Statistical Yearbook 2020

Which of the following is/are the reason(s) for the changes over the period of time?

1   Decrease in population

2   Increase in income levels

3   Decrease in grain production

A   2 only

B   1 and 2 only

C   1 and 3 only

D   2 and 3 only

6   Which of the following are farming problems faced by farmers in South China?

1   Pest attack

2   Shortage of farm labour

3   Decrease in farming areas

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

7   Which of the following human activities will cause soil erosion?

1   Converting farmland into urban land uses

2   Cutting trees for fuelwood

3   Over-cultivation

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

8   Which of the following are causes to the loss of farmland in China?

1   Land pollution

2   Desertification

3   Urban development

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

9   Figure 3 shows a farming process. Which of the following is a negative impact caused by the process?

(Credit: Maasaak/Wikimedia Commons)

Figure 3

A   Reduces soil nutrients

B   Increases salts in soil

C   Causes water pollution

D   Reduces soil moisture

10   Which of the following descriptions about GM crops are correct?

1   They may reduce biodiversity.

2   They have uncertain effects on human health.

3   They can grow faster and resist attack from pest and diseases.

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

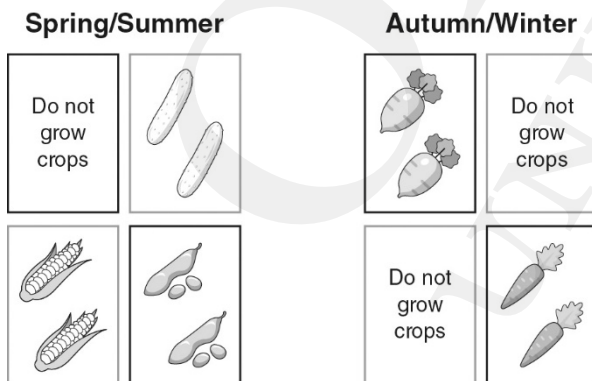Refer to Figure 4 which shows farming methods in a farm and answer Questions 11 and 12.

Figure 4

11 Which of the following farming methods are used in the farm?

1   Mixed farming

2   Crop rotation

3   Fallowing

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

12 Which of the following are advantages of using the farming methods shown?

1   Conserves soil

2   Reduces pest attacks

3   Increases farm outputs

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

13 Which of the following meets the principles of sustainable farming?

A   Using chemicals in farming

B   Leave a field to rest for three months every year

C   Selling farm produce at a very low price

D   Grow a particular crop on a field year after year

14 Which of the following measures help increase food production and incomes in the Sahel?

1   Improve rural infrastructure

2   Set up large-scale irrigation system

3   Set up small-scale industries in rural areas

A   1 and 2 only

B   1 and 3 only

C   2 and 3 only

D   1, 2 and 3

**Fill in the blanks** (20 marks, 2 marks each)

Fill in the blanks with suitable words.

1   Based on the uses of outputs, farming activities can be classified into commercial farming and

_____ farming.

2   Food _____ is affected by local production and imports. When it cannot meet the

food demand, food shortages occur.

3   In China, the _____ rate of food is high. The share of local food production is

large.

4   North-west, North and North-east China have short _____ season because they

have cold, long winters and low rainfall.

5   Most areas in eastern China are _____ and basins. They are good places for arable

farming.

6   Large areas of farmland at the edge of cities are changed to _____ land uses, such as

transport and industrial land uses. This reduces the areas of farmland.

7   _____ such as floods and typhoons can destroy crops and reduce

farm production.

8   _____ delivers water directly to plant's roots. It helps reduce water loss through

evapotranspiration.

9   The central government has reserved some farmland as _____.

No development is allowed on this farmland.

10 Animal dung and vegetable matter can be used as _____ to increase soil fertility

in the Sahel.

Section C

Labelling (10 marks, 2 marks each)

The map below shows the distribution of major farming regions in China. Write their names in the blanks provided.
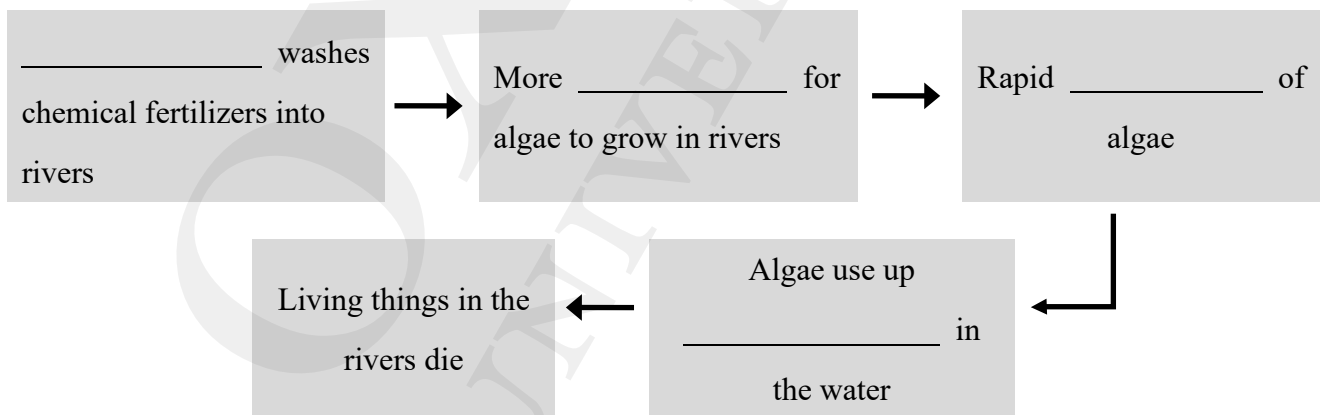

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❹ _____

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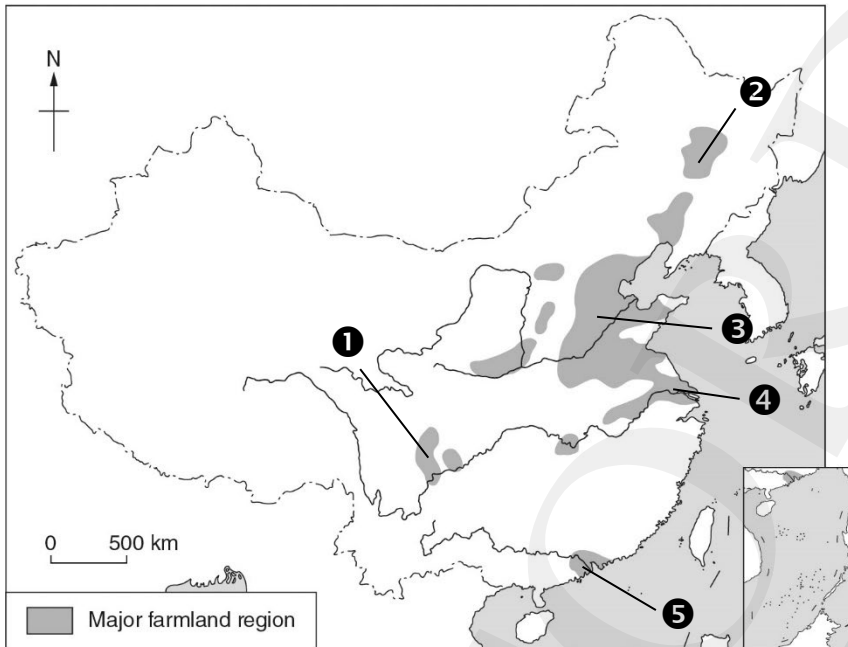
Section D

Fill in charts (8 marks, 2 marks each)

Complete the following chart to show the negative impact of excessive chemical fertilizers in rivers.

_____ washes chemical fertilizers into rivers → More _____ for algae to grow in rivers → Rapid _____ of algae

Living things in the rivers die ← Algae use up _____ in the water ←

Structured questions (26 marks)

1   Figure 1a shows the location and some information of Place X. Figure 1b shows a farming
technology used in Place X.
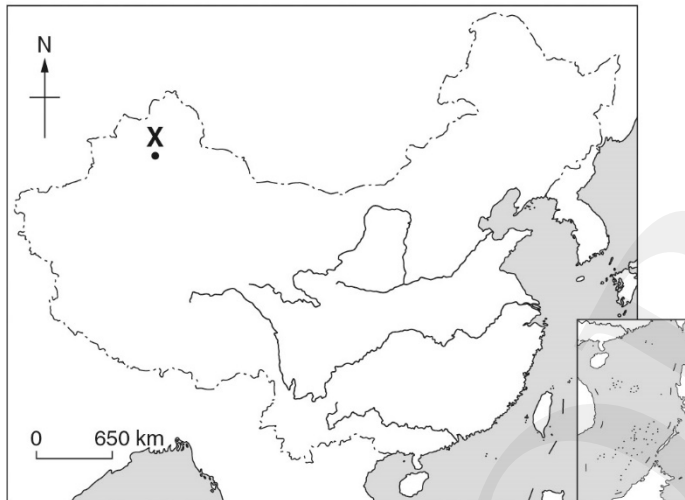
Place X

Highest monthly temperature	24°C
Lowest monthly temperature	-14°C
Annual rainfall	256 mm
Soil	Thin and infertile

Figure 1a

(Credit: chinahbzyg/shutterstock.com)

Figure 1b

a Refer to Figure 1a. Support with evidence, describe the farming problems in Place X.

(4 marks)

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b Refer to Figure 1b.

   i   Name the farming technology used in Place X. (1 mark)

_____

   ii   Explain how the farming technology mentioned in b(i) help solve some of the farming problems in Place X. (3 marks)

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   iii Explain the negative impacts that may be brought by the farming technology.

(4 marks)

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2   Table 1 shows some information about Farm X. Figure 2 shows a plan of developing industrial areas near Farm X.

Table 1

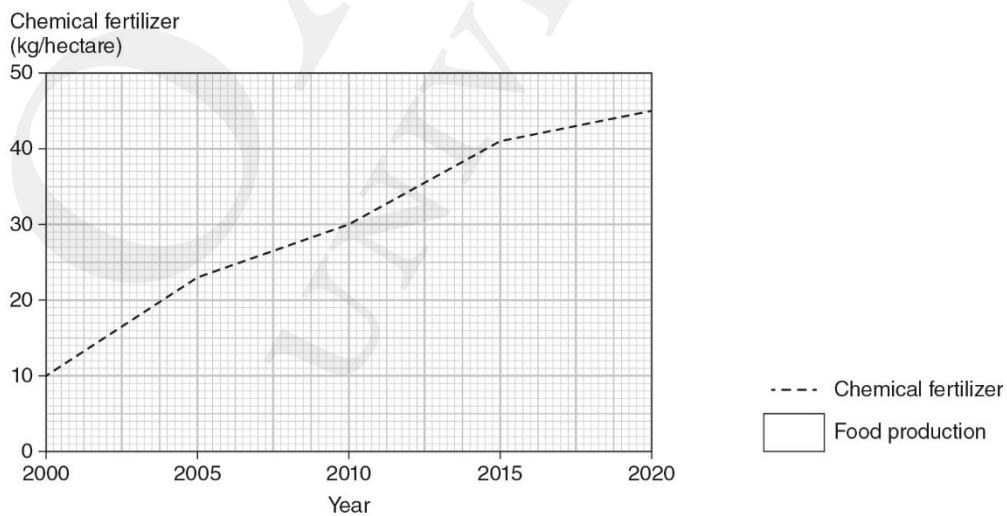|	**2000**	**2005**	**2010**	**2015**	**2020**
Use of chemical fertilizers (kg/hectare)	10	23	30	41	45
Food production (kg/hectare)	1,200	2,300	3,200	2,900	2,700

Figure 2

a   Complete the line graph below to show the amount of chemical fertilizers used and food production in Farm X between 2000 and 2020.   (3 marks)

b   Refer to the graph above. Describe and explain the relationship between the amount of chemical fertilizers used and food production in Farm X in the following two periods.

    i   From 2000 to 2010   (3 marks)

_____

_____

_____

_____

    ii   From 2010 to 2020   (3 marks)

_____

_____

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c   Refer to Figure 2. What problems may Farm X face if the development plan is carried out?

(5 marks)

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Short questions (8 marks)

1 How does the use of greenhouses help solve the problem caused by natural hazards? (4 marks)

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2 How does the use of genetic engineering help increase crop yield? (4 marks)

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END OF PAPER