

Exercise walk-through

Agricultural Origins and Diffusions ■ 5.3

eXercise

You must be able to

- define an **agricultural hearth** 农业起源地
- name a major hearth (e.g. the Fertile Crescent)
- explain how farming diffused from hearths
- define the **Columbian Exchange** 哥伦布交换

Method — Agricultural hearths

An **agricultural hearth** is a region where farming independently began. Several arose worldwide, including the **Fertile Crescent**, East Asia, and Mesoamerica.

Method — Diffusion of farming

From each hearth, crops, animals, and techniques spread by **relocation** (migrating farmers) and **expansion** diffusion to neighbouring regions.

Method — The Columbian Exchange

The **Columbian Exchange** was the transfer of crops, animals, and diseases between the Americas and the rest of the world after 1492, reshaping global agriculture.

Practice 2.1 ■ 2 marks

Define an agricultural hearth.

Solution 2.1

Method: Agricultural hearths

Worked steps

a region where agriculture independently originated **B1** and from which it spread **B1**.

Practice 2.2 ■ 2 marks

Define the Columbian Exchange.

Solution 2.2

Method: The Columbian Exchange

Worked steps

the exchange of crops, animals, and diseases **B1** between the Americas and the rest of the world after 1492 **B1**.

Practice 2.3 ■ 1 mark

Wheat farming began in the Fertile Crescent and later appeared across Europe.

- (a) Name the process that carried it to Europe.
- (b) State the diffusion type if farmers migrated and brought it.

Solution 2.3

Method: Agricultural hearths

Worked steps

(a) diffusion (from the hearth) **B1**. (b) relocation diffusion **B1**.

Exam-style 3.1 ■ 1 mark

A region where agriculture was first independently developed is an agricultural

A region

B hearth

C landscape

D boundary

Solution 3.1

Method: Agricultural hearths

A region

B hearth



C landscape

D boundary

Worked steps

B. the origin region is an agricultural hearth.

Exam-style 3.2 ■ 1 mark

The movement of potatoes to Europe and horses to the Americas is part of the

- A** Green Revolution
- B** Columbian Exchange
- C** Second Agricultural Revolution
- D** gravity model

Solution 3.2

A Green Revolution

B Columbian Exchange 

C Second Agricultural Revolution

D gravity model

Worked steps

B. post-1492 crop/animal transfer = Columbian Exchange.

Exam-style 3.3 ■ 1 mark

Maize, first grown in Mesoamerica, is now farmed worldwide.

- (a) What does this show about the crop's hearth?
- (b) Explain how diffusion spread it globally.

Solution 3.3

Worked steps

(a) it originated (was domesticated) there **B1**. (b) it spread through trade, migration, and later the Columbian Exchange **B1**.