

IGCSE Geography 0460

3.1 Agricultural Systems

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Describe and identify the influence of inputs (natural and human) on the processes and outputs of each of the following agricultural systems:

- a large-scale system of commercial farming;
- small-scale subsistence farming.

Recognise the causes and effects of shortages of food and describe possible solutions to this problem.



Define the following terms;

Arable Farming: _____

Pastoral Farming: _____

Commercial Farming: _____

Subsistence Farming: _____

Extensive Farming: _____

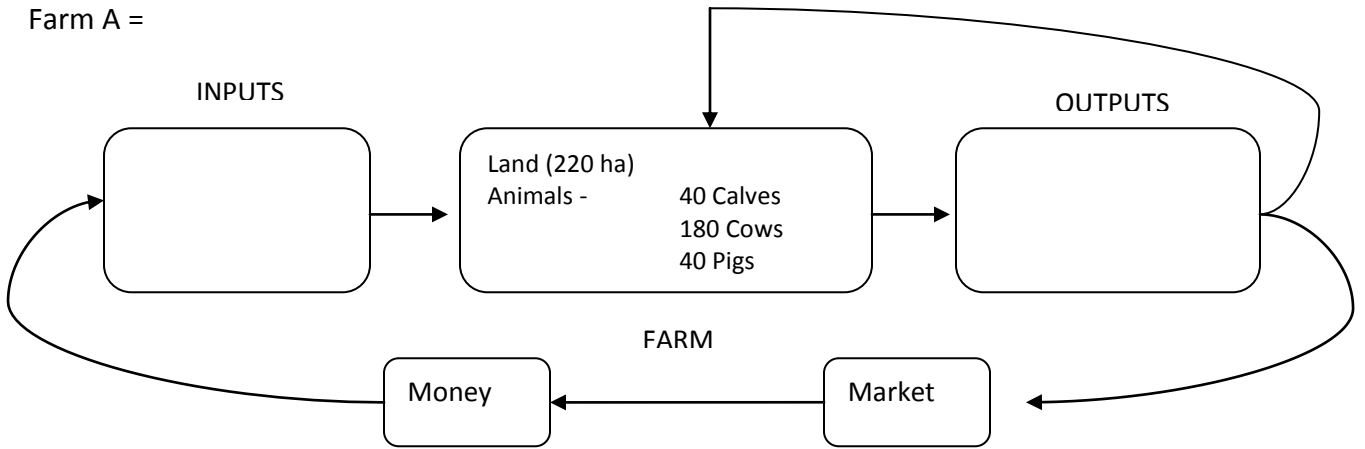
Intensive Farming: _____

Shifting Cultivation: _____

Sedenary Cultivation: _____

One farm is a Subsistence Farm in India, the other a Commercial Farm in South-West England.

Farm A =

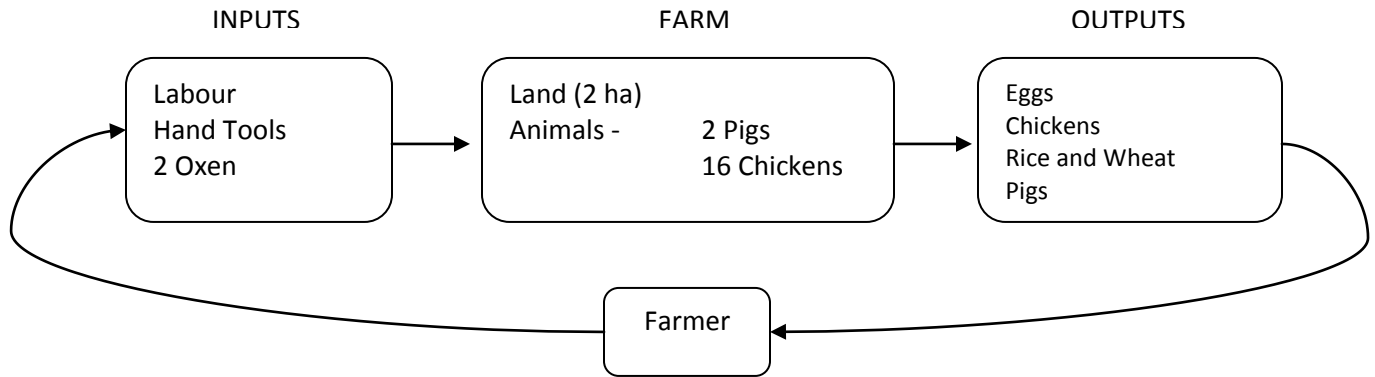


Add the following labels into the correct boxes above;

Barley, Fertiliser, Hay, Labour, Machinery, Fattened Pigs, Manure and Milk

What happens to the outputs on Farm A?

Farm B =



Explain the differences between the two farms.

Land

Labour

Machinery

Animals

Crops

Complete the table to show the factors that affect farming

Physical Factors (Environmental)	
Relief and Altitude	
Soils	
Temperature and Sunshine	
Water Supply	
Human and Economic Inputs (Social)	
Land Ownership/Tenure	
Size of Farms/Fields	
Competition for Land	
Transport and Markets	
Capital (Money/Revenue)	
Mechanisation	
Political Factors	
Governmental/EU Policies	
Variable Inputs	

Case Study: Commercial Farming in Denmark

What are the *two* types of farming in Denmark and **where** do we find them?

Why is Denmark suited to Crop Cultivation?

What is the problem with relying on one crop as a source of income and **how** have farmers overcome this problem?

What recent changes have happened in Danish Farming in general and since joining the EU?

What are the basic aims of the European Union's (EU's) *Common Agricultural Policy* (CAP)?

Why was the *Common Agricultural Policy* introduced and **when**?

List 5 advantages and **5 disadvantages** of the *Common Agricultural Policy*.

Advantages	Disadvantages

Case Study: Subsistence Rice Farming in the Lower Ganges Valley

Why is the *Lower Ganges Valley* suited to Rice Cultivation?

Watch the clip on Wild China. <http://video.mail.ru/bk/nowikow777/855/1957.html>

How have farmers overcome the problem of relying on one type of crop **and what** benefit does this have to the farmers?

What recent changes have happened in Rice Farming in general?

Why was the Green Revolution introduced and **when**?

List 6 successes and 6 failures of the Green Revolution.

Advantages	Disadvantages

Complete the table below to show the advantages and disadvantages of organic farming.

Advantages	Disadvantages