



HOW IS LAND USED IN THE UK?

KNOWLEDGE ORGANISER


Year 3 Geography Knowledge Organiser Topic- How is land used in the UK?


Key Vocabulary

<u>agricultural</u>	Agricultural land is land that has been designated solely for the purpose of farming activities and agricultural production.
<u>residential</u>	Residential land use involves the building of properties to live in. Housing estate. Recreational. This is converting land for human enjoyment, such as parks.
<u>commercial</u>	Commercial land can be any plot or section of land used for commercial purposes and intended to generate a profit. This means that the land hosts warehouses, industrial property, retail stores, parking lots, malls, hotels, office buildings, and medical centres.
<u>industrial</u>	Industrial land use means the use of land primarily for the purpose of manufacturing, production, fabrication or assembly processes and ancillary



Coldhurst is an area of Oldham and an electoral ward of the wider Metropolitan Borough of Oldham in Greater Manchester, England. At the time of the United Kingdom Census 2001, it had a population of 11,935, increasing to 13,201 at the 2011 Census. The electoral ward spans most of Oldham's town centre, although the name Coldhurst conventionally applies to the area immediately north of the centre.

Aerial Images
An oblique image is captured at an angle.



An oblique image is captured at an angle.

A vertical image is taken from directly above.



A vertical image is taken from directly above.

Aerial photography (or airborne imagery) is the taking of photographs from an aircraft or other airborne platform.

L.O. TO DESCRIBE DIFFERENT TYPES OF LAND USE IN THE UK.

Flashback

Label the
countries of
the UK and
Great Britain

The UK is short for:

The United Kingdom of Great Britain and Northern Ireland

Which countries do you think make up Great Britain?

The United Kingdom:

England

Scotland

Wales

Northern Ireland



Great Britain:

England

Scotland

Wales



Keywords

livestock

Livestock means the animals (but not birds) that are farmed.

land use

Land use is the function or purpose of a particular area.

habitat

Habitat is the natural home or environment of an animal, plant or other organism.

wildlife

Wildlife refers to all living things that live in their natural habitat without human involvement.

agriculture

Agriculture is the science and practice of cultivating soil and farming.

What are the types of land use across the UK?

What types of **land use** do we already know?

agricultural

residential

commercial

industrial

transport

woodland



Pasture

To raise **livestock** like cows on a dairy farm, land is needed to grow grass for the cows to eat. We call this land pasture.



Arable

Farmers plant crops to grow and harvest. Crops like wheat, barley and oil seed.



Which image shows land being used for pasture?



a



b



c



Woodland

Woodland can be either coniferous, which are evergreen, or deciduous trees that shed their leaves in the autumn.



Peat bogs

‘Bogs’ or peatlands form in upland areas with wet and waterlogged conditions.

The freshwater stops dead plants from fully rotting away, and over thousands of years this process forms a peat bog.



Artificial surfaces

Artificial means not naturally found.

In this lesson we are going to group all of the land types which are built on artificial surfaces together:

- all buildings
- roads
- airports



Moorland and heathland

This is moorland - beautiful purple heather and low-growing shrubs.

Moorland and heathland cover large areas of the higher land in the UK.



Which of these types of **land use** are not commonly found in the uplands of the UK?

- a** moorland and heathland
- b** arable
- c** peat bogs



Moorland and heathland are found in the uplands of the UK.



Peat bogs are found in the waterlogged uplands of the UK.



Arable land is commonly found in the south and east of the UK where the land is flat and there is less rainfall.



Pasture can usually be found in the uplands of the UK ☺

L.O. TO UNDERSTAND THE PERCENTAGE OF LAND USED
FOR DIFFERENT TYPES OF LAND USE IN THE UK.



FLASHBACK



NAME THE 7 TYPES OF
LAND USE IN THE UK.

FLASHBACK ANSWERS

We can classify our **land use** into seven types:

1. Arable
2. Pasture
3. Peat bogs
4. Moorland and heathland
5. Woodland
6. Artificial surfaces
7. Others

ENQUIRY QUESTION

Do you think the UK is made up of an equal share of each type of **land use**?

Total area of the
UK = $250,000\text{km}^2$

1 cube =
approximately
 $25,000\text{km}^2$

100 cubes = Total
area of the UK



Use your 100 cubes to predict how
much of the land is used by each
type of **land use**:

1. Arable
2. Pasture
3. Peat bogs
4. Moorland and heathland
5. Woodland
6. Artificial surfaces
7. Others

*Which type of **land use** did you predict
would be the largest? Which did you
predict would be smallest?*



Land use in the UK:

28 cubes = pasture

27 cubes = arable

10 cubes = woodland

10 cubes = other

9 cubes = artificial surfaces

9 cubes = peat bogs

7 cubes = moorland and
heathland

1. What is the main type of **land use** in the UK?

Pasture is the main use of land in the UK.

2. How much land is used for **agriculture** altogether?

55 cubes of the land use in the UK is agriculture.



Our **land use** cubes show how much land is being used for humans and how much is for nature.



Is there enough land for **wildlife** in the UK?

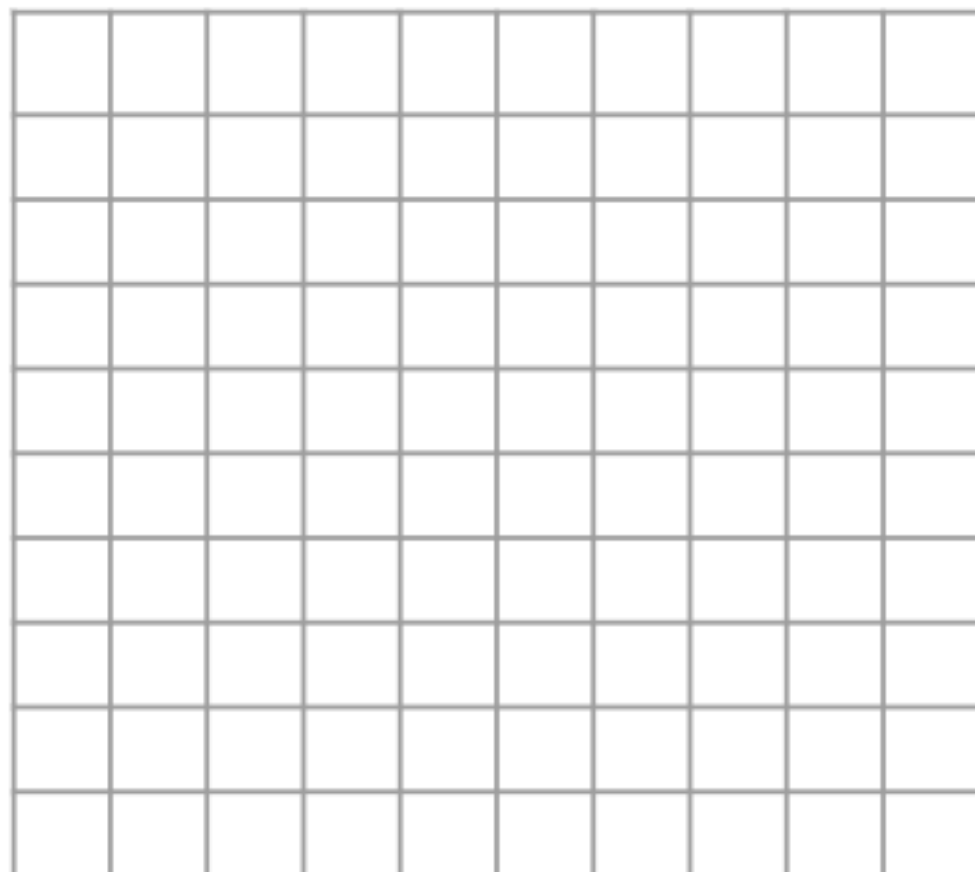
How can we present this information so it is clear and easy to understand?

We could graph the information so it is easy to understand.



*Maybe we could use a 100 square to show how much of the UK is taken up by each type of **land use**?*



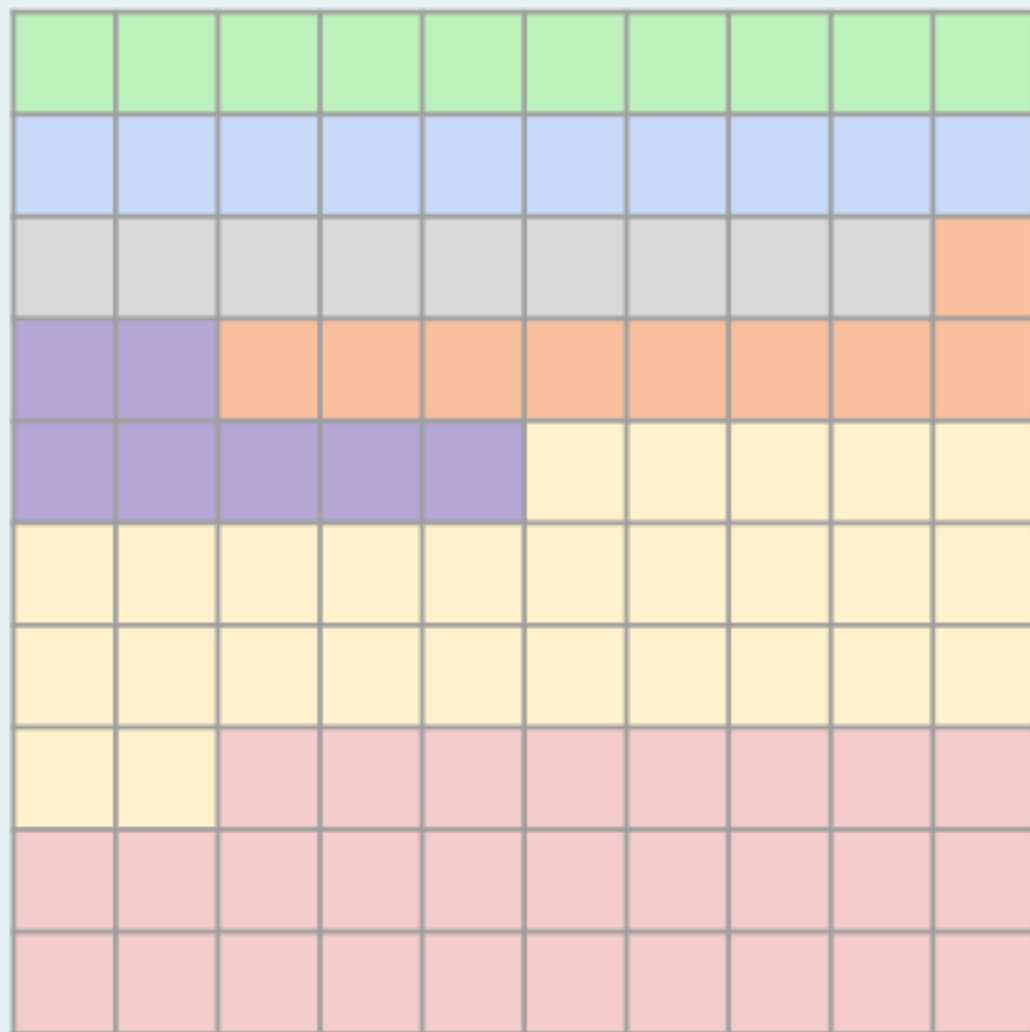


Colour the key using a different colour for each type of **land use**. Remember one square on the grid is 1% of the total land of the UK.

Use the information to complete the 100 square grid.

28	pasture	10	woodland
27	arable	9	artificial surfaces
9	peat bogs	10	other
7	moorland and heathland		





Land use in the UK

28	pasture	10	woodland
27	arable	9	artificial surfaces
9	peat bogs	10	other
7	moorland and heathland		

Summary Different types of land use in the UK

- Artificial surfaces take up 9%, or just 9 out of our 100 squares.
 - Woods make up just 10%, or 10 of our 100 squares.
 - 27%, or 27 squares out of the 100, are used for crops - half of this is fed to animals.
 - More than a quarter of land in the UK - 27%, or 27 out of the 100 squares, is used for pasture for **livestock**.
-

L.O. TO IDENTIFY
SOME DIFFERENT
TYPES OF LAND
USE USING
AERIAL IMAGES.



Keywords

land use

Land use is the function or purpose of a particular area.

map key

A **map key** is a box of information on a map that tells you what the lines and symbols on the map mean.

settlements

Settlements are places where groups of people live and work.

scale

The **scale** on a map shows what size the area that is represented in the map really is.

REVISIT

Residential land use includes houses or flats
– including gardens, garages and outbuildings.



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CC-BY 2.0 David Wright

Commercial land use includes offices, shops, supermarkets, trading estates. These are places where people sell things.



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©

Industrial land use includes land used for factories, quarries, power stations and mines.



LEARN

Transport

Land can also be used for transport like railways, roads, ports, cycle routes, canals and airports.



FLASHBACK

Label the land use photos with the name of each type.

Word bank

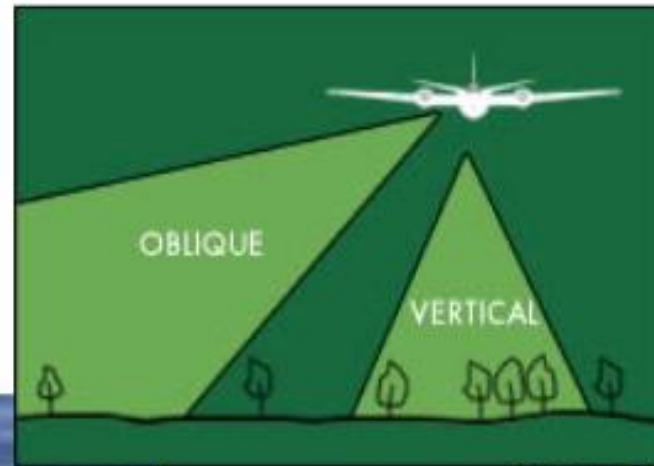
- woodland
- residential
- industrial
- agricultural
- commercial
- transport

Type of land use	Image of land use
	
	
	
	
	
	

Did you match the
images and the types
of land use correctly?

Type of land use	Image of land use
<i>residential</i>	
<i>commercial</i>	
<i>industrial</i>	
<i>transport</i>	
<i>agricultural</i>	
<i>woodland</i>	

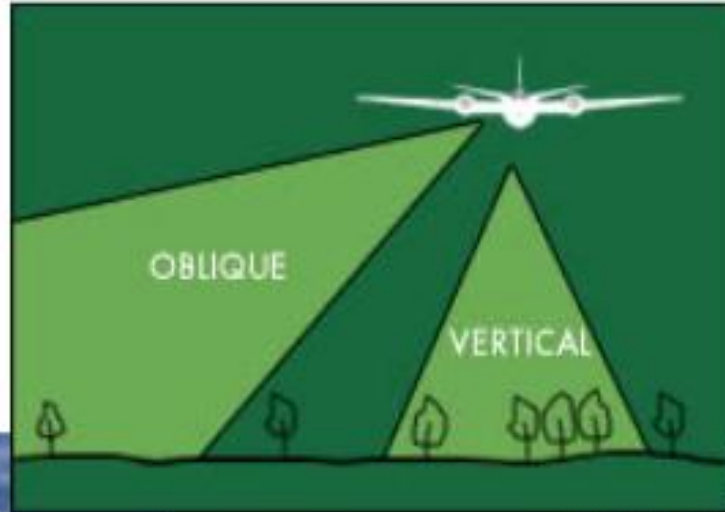
Aerial Images



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Aerial Images

An oblique image is slanted or tilted.



A vertical image is known as a 'birds eye view'.



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Satellite images help geographers see how the land is being used.

What looks the same?

What looks different?



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LOOK AT OLDHAM FROM GOOGLE EARTH.

<https://earth.google.com/web>

Look ariel views of Oldham.

<https://skycamuk.photodeck.com/-/galleries/oldham/-/medias/0fb1de48-24fe-4400-bdf0-94710b70dc26-oldham-aerial-photograph-of-alexandra-park>

Drone footage of Oldham

<https://youtu.be/ODkUTDH2pgU>

In this aerial photograph the ground looks a patchwork quilt and some of the patches have stripes on them.

What type of land use can you see?



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In this aerial photograph the ground looks a patchwork quilt and some of the patches have stripes on them.

What type of land use can you see?

It is agricultural - the land here has been used for farming.



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In this aerial photograph the land is covered with small rectangular shapes next to long grey ribbons.

What type of land use can you see on this aerial image?



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In this aerial photograph the land is covered with small rectangular shapes next to long grey ribbons.

What type of land use can you see on this aerial image?

The land use is residential and transport.



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Aerial photography © Getmapping Ltd. FOR SCHOOLS USE ONLY.

This aerial photograph shows round green shapes.

What type of land use can you see on this aerial image?

6



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This aerial photograph shows round green shapes

What type of land use can you see on this aerial image?

The land use is woodland.



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This aerial photograph shows large grey rectangles.

What type of land use can you see on this aerial image?





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This aerial photograph shows large grey rectangles.

What type of land use can you see on this aerial image?

The land use is commercial and industrial.



Which three land use types can you identify in this aerial image?

- a** transport
- b** residential
- c** industrial
- d** agricultural



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Which three land use types can you identify in this aerial image?

- a** transport ✓
- b** residential ✓
- c** industrial
- d** agricultural ✓



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USE THE SENTENCE STEM TO WRITE A SENTENCE
THAT DESCRIBES THE LAND USE IN EACH OF THE
AERIAL PHOTOGRAPHS.



In aerial photograph A I can see _____ this
tells me the land is mainly _____



In aerial photograph A I can see large grey rectangles, this tells me the land is mainly industrial.

In aerial photograph B I can see round green shapes, this tells me the land is mainly woodland.

In aerial photograph C I can see small rectangular shapes next to long grey ribbons, this tells me the land is mainly residential and transport.

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L.O. TO IDENTIFY
SOME DIFFERENT
TYPES OF LAND USE
IN OUR LOCALITY
USING MAPS.

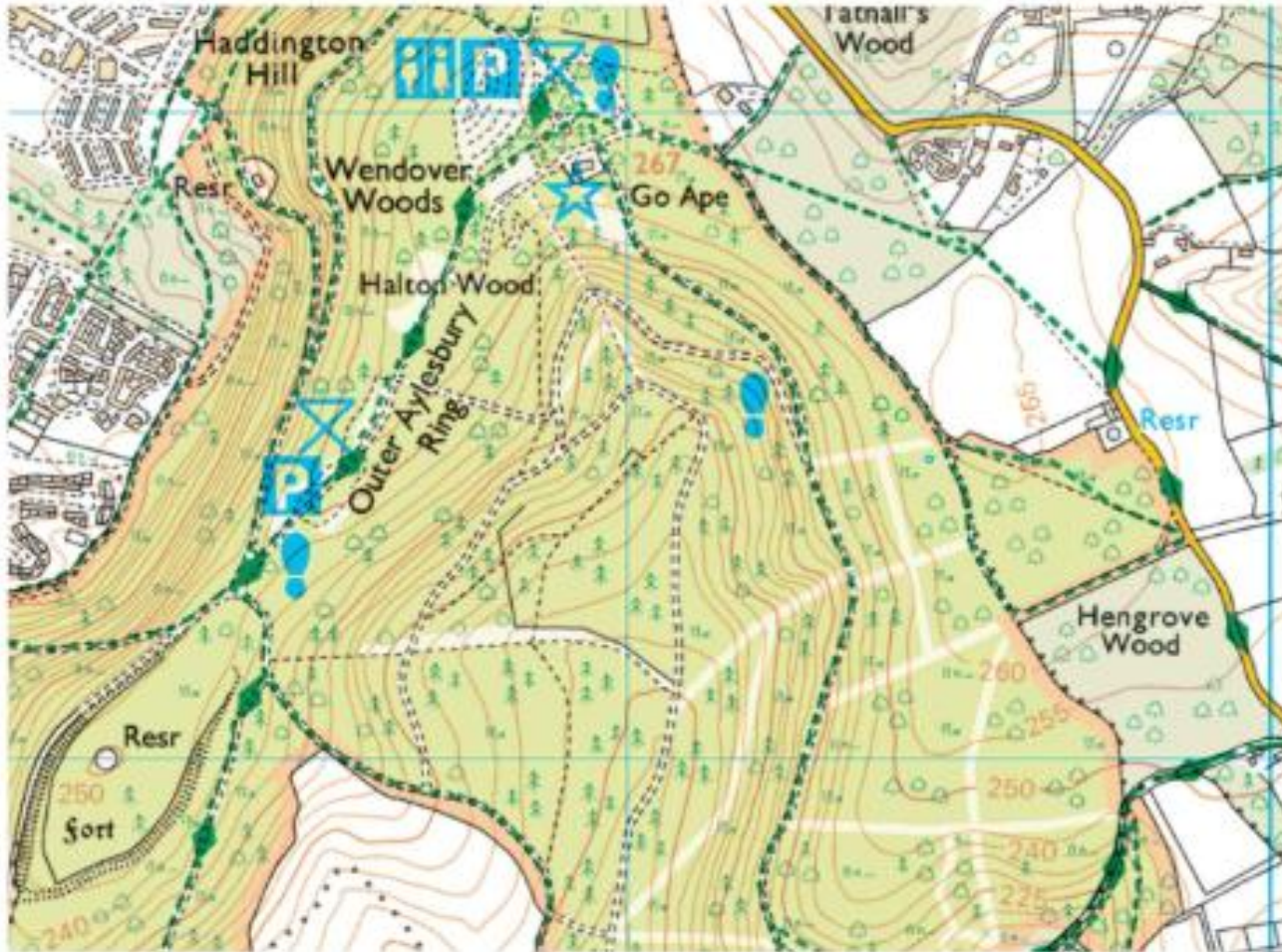


Transport

These are the symbols used for roads and railways on Ordnance Survey maps. If we see these on a map then the land use would be classed as transport.

	Motorway
	Dual carriageway
	Main Road
	Secondary road
	Road less than 4m wide
	Railway track
	Railway station

{



Woodland

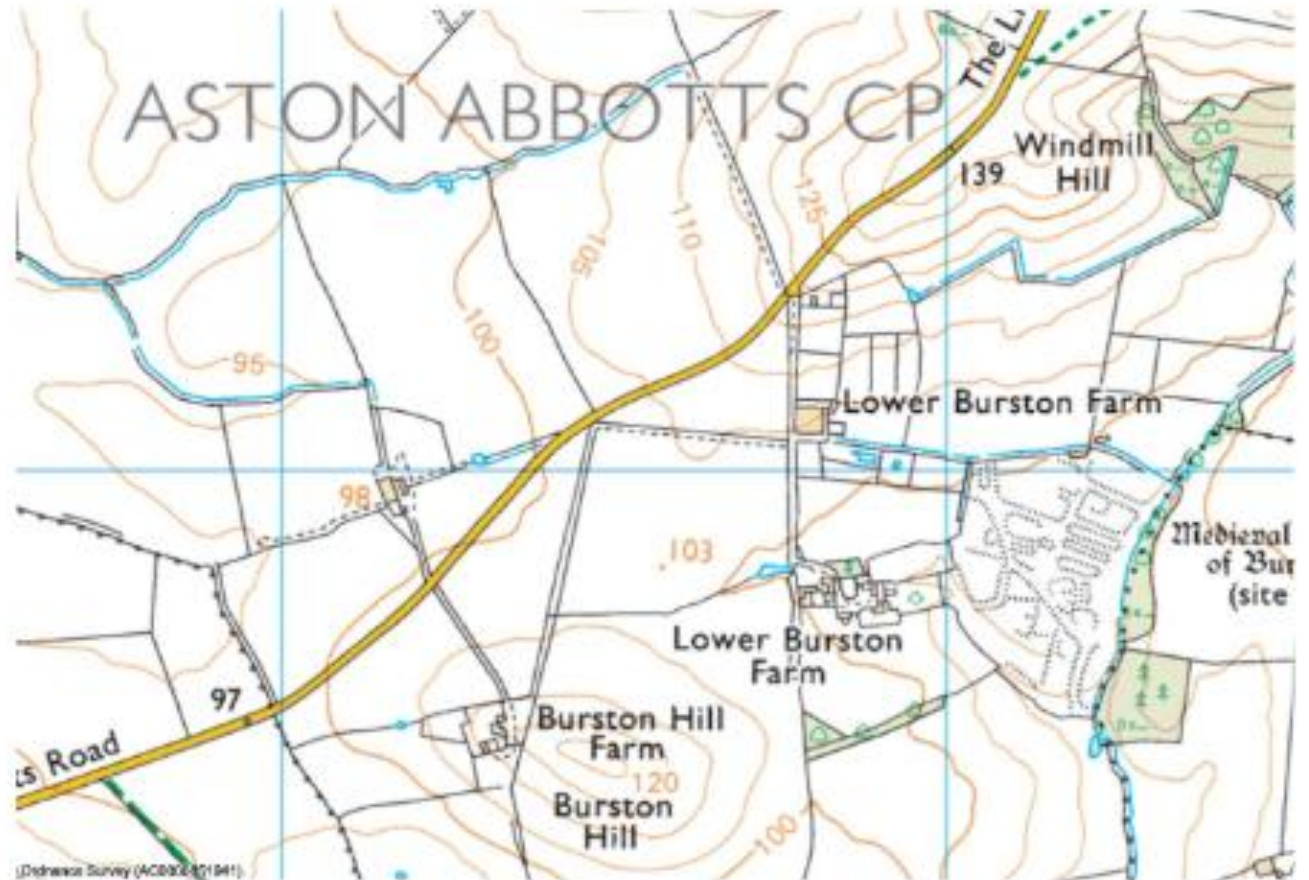
Areas of woodland are usually coloured light green and the type of woodland is indicated by the symbols used.



coniferous
non-coniferous

Agriculture

If an area of land is left white it could be an area of agriculture.
There is no OS symbol for farmland.

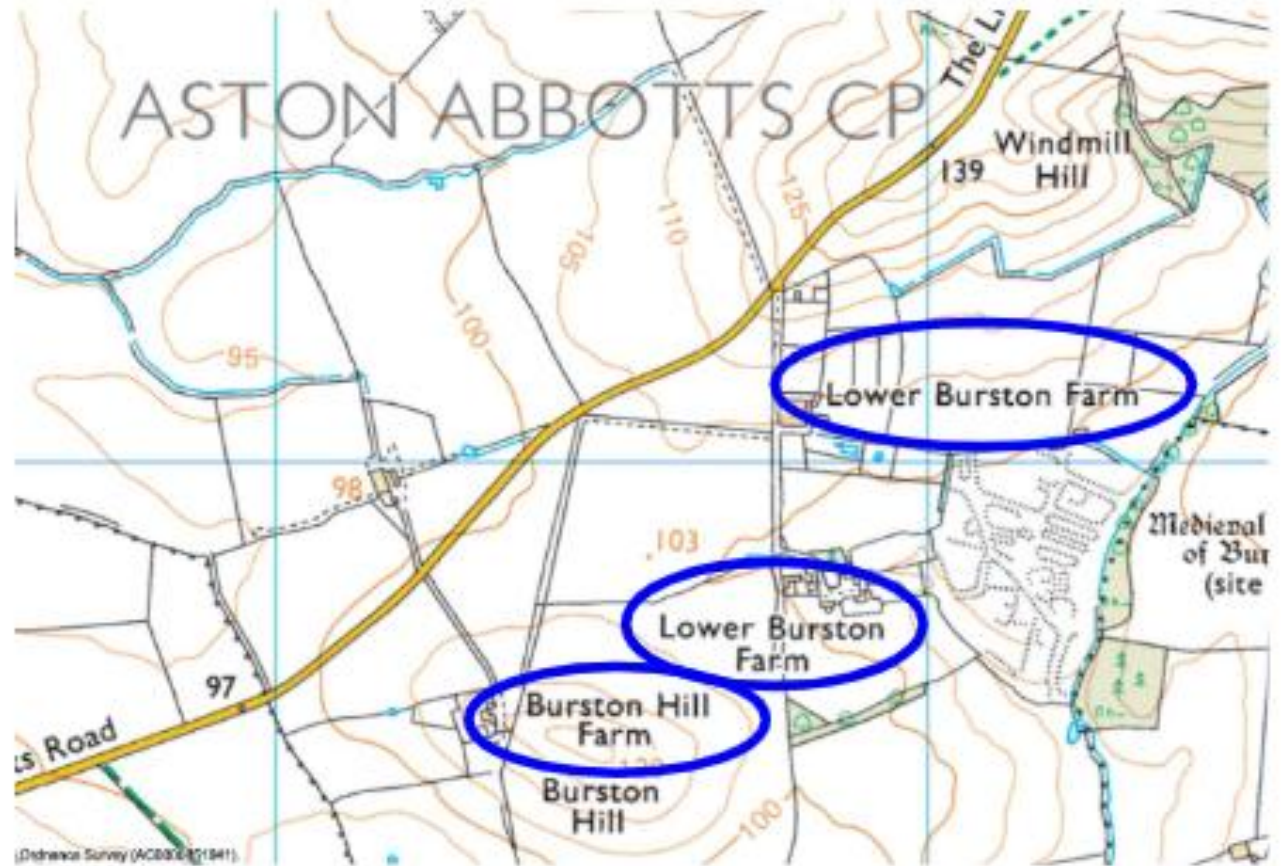


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Agriculture

If an area of land is left white it could be an area of agriculture.
There is no OS symbol for farmland.

Are there any clues that some parts of this map might be agricultural?



Residential

This is the OS symbol for a building.



When we see lots of small buildings with white land in front or behind them - gardens - we could guess these are houses.



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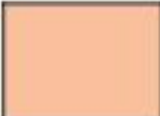
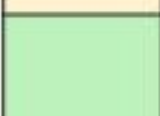
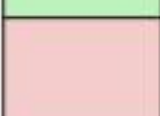
Industrial and commercial

Industrial and commercial building use the same symbol as houses. However they might be labelled with the word 'factory'. They might also be much larger than houses.



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- 1) Using tracing paper, a map and an aerial image of your local area, identify types of land use. Use a key to help you.

	residential
	commercial
	industrial
	agricultural
	woodland
	transport



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2) Answer these questions with a partner.

On your map, what is the main land use type?

Are all of the areas coloured in? If not, why?

Would we get the same land use results if we chose a different area to study?

	residential
	commercial
	industrial
	agricultural
	woodland
	transport

UNION STREET OLDHAM



ASSESSMENT PIECE

L.O. To assess my understanding of land use in the United Kingdom.

Create an information leaflet to inform younger children about the types of land use in the United Kingdom.
