# Collins



Editorial advisor Dr. Stephen Scoffham

# Collins UK in Maps ACTIVITIES

Dr. Stephen Scoffham

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#### INTRODUCTION

**Geography in the curriculum** Geography has a special place in the curriculum because it examines the world in which each child lives from day to day and considers future trends and changes. Geography not only gives children insights into their immediate environment it also leads them to explore the wider world, a dimension often difficult to resource in primary schools.

Through the National Curriculum, children should develop a global knowledge of places and environments as they learn about the natural and human worlds. They should begin to appreciate their own personal opportunities and responsibilities as they focus on environmental change, sustainability and citizenship.

New understanding of children's thinking shows that the foundation of attitudes to peoples and cultures is created in early childhood. Children need rich and positive ideas in their early schooling before their opinions and stereotypes about distant places harden.

**Collins 'In Maps' Atlas scheme** The scheme is designed to resource these needs. The UK Atlas introduces:

- Maps of the different countries and regions of the UK
- Information about the UK in the past
- Ideas about how the UK is changing
- Questions about the quality of the environment
- A focus on popular common themes and topics

Examples and case studies have been used to illustrate specific themes. Charts, diagrams and techniques such as cross sections provide extra visual information. Both the UK and World Atlas follow the same structure. The first sections cover countries, people and places; the later sections focus on issues. Historical studies are included throughout. This structure reflects current thinking about geography and means that the atlases can be used to enrich learning in many curriculum areas including literacy, maths and ICT.

The atlas pages The themes which are explored in the atlas are closely linked to the National Curriculum and other government directives. The spreads use evidence from photographs, maps, newspaper cuttings, census data, community action groups, and more. Classes should build their own information and resource collection as they explore the atlas themes.

**The activities** The activities are designed to extend and develop the ideas presented in the atlas. Many involve practical enquiries and investigations in the local area. First hand experience and the ability to describe and analyse the world is a key feature of good practice in geographical learning.

Geographical Concepts Geographical concepts are at the heart of geographical enquiry. The curriculum challenges teachers and pupils to raise questions and use them as a basis for investigations. Raising the questions is not always easy when, perhaps, a school might seem to be situated in a very ordinary environment. The geographical concepts are spatial ones and so apply to all places from a room to the world. These are some of the concepts explored in the 'In Maps' Atlas Scheme and the sort of question each might suggest:

- power ('Who decides what happens?')
- access ('Why can't everyone have equal use of resources?')
- conflict ('What are the conflicting interests that make some people worse off?')
- change ('How is the world changing?')
- interaction ('What effects do my actions have on the world?')
- pattern ('What patterns and trends are there in the way we live our lives today?')
- time/distance ('How are changes in this relationship affecting communities?')
- system ('What are the physical and human systems that operate on a global scale?').

**History** Any understanding of the present is informed and enriched by an understanding of the past.

Notions such as change and continuity and the skills

of historical enquiry are central to the History curriculum. The 'In Maps' Atlases contain a wealth of historical information including:

- maps showing countries and empires in the past
- census information and details of population change
- case studies of settlements and the way they have changed
- maps showing famous journeys of exploration from the past.

**Citizenship** The National Curriculum sees learning, not just as an academic exercise, but about *learning* for *life* and learning for personal development.

Geographical investigations provide a significant way of introducing the key ideas of Citizenship:

- understanding the workings of the local community and being part of the way decisions are made
- encouraging discussion about social, environmental, economic and political issues
- looking at the multicultural background of the UK and the wider world
- appreciating the challenges of global interdependence and responsibility.

The 'In Maps' Atlas Scheme provides many opportunities to become involved in Citizenship. Its thematic atlas pages consistently raise a range of issues and the activities engage the individual child in personal investigation.

Environment and Sustainability The classic definition of sustainability is, 'to meet the needs of today without compromising the ability of future generations to meet theirs'. It is about managing the environment and managing lifestyles to redress environmental damage, about working to eliminate poverty and about trying to reduce global warming and climate change. Politicians throughout the world are attempting to grapple with these problems.

International conferences and meetings are now held on a regular basis and the international community is beginning to recognize that urgent action is needed.

The 'In Maps' Atlases promote understanding about the environment and sustainable development through:

- raising awareness of environmental issues
- exploring the concepts of interdependence, quality of life and biodiversity
- developing the skills of critical enquiry
- discussing values and attitudes about issues of resource use and globalization.

Mathematics Trying to understand and make sense of the world involves a wide range of mathematical skills. Measurement, scale and co-ordinates are fundamental to understanding maps. Also, many of the themes explored in the 'In Maps' atlases are developed using numerical data. This provides an ideal opportunity for children to consolidate their understanding of number, place value, fractions, percentages, charts and other graphical techniques. Typical examples include:

- simple statistics about mountains, rivers and coastlines
- block graphs showing the comparative populations of towns and cities
- line graphs showing change over time and possible future trends
- pie charts showing different forms of energy or the proportion of protected land.

The National Curriculum requires children to interpret data in a range of contexts. Making links between mathematics and other subjects in meaningful settings arises naturally when the 'In Maps' atlases are used as a structured teaching resource.

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#### 1 Information finder

Name .....

How do we use the contents page?

Vorking from the contents list in your atl he information panels below.	•
PHYSICAL GEOGRAPHY	HUMAN GEOGRAPHY
Which pages provide information about landscapes?	Which pages provide information about people and cities?
turn to these pages	turn to these pages
What are the names of the seas and oceans around the United Kingdom?	Name four cities shown on the map of the U.K.?
1.	1.
2.	2.
3.	3.
4.	4.
Which pages provide information about rivers?	Which pages provide information about transport?
turn to these pages	turn to these pages
What are the three longest rivers in the United Kingdom?	What are the three railway stations furthest away from London?
1.	1.
2.	2.
3.	3.
Which pages provide information about weather?	Which pages provide information about farming?
Draw the map symbol for sun and cloud.	Draw the map symbol for forestry.

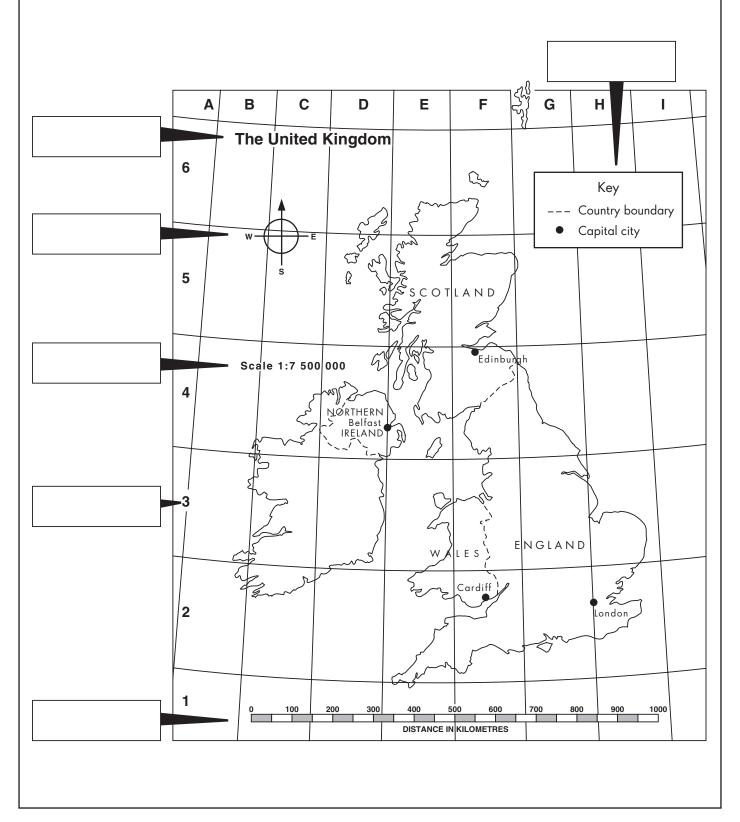
#### 2 Looking at maps

Name .....

What makes a map?

1. The map of Wales on page 2 of the atlas labels different features. Name some of the same features on this map of the UK.

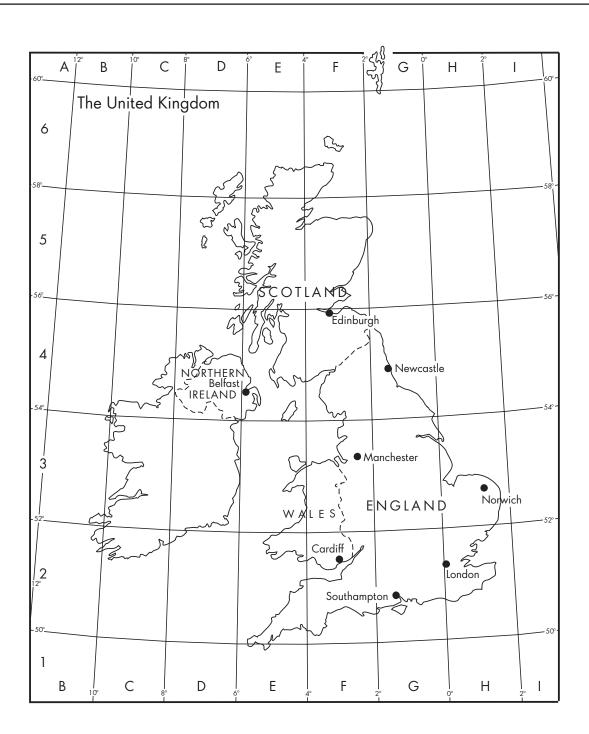
2. Colour the map.



#### 3 Grids and co-ordinates

Name .....

Why do maps have grids?



1. Write down the grid codes for the places shown on the map.

TOWN	GRID CODE	TOWN	GRID CODE

2. Colour the land and the sea on the map.

#### 4 The scale of maps

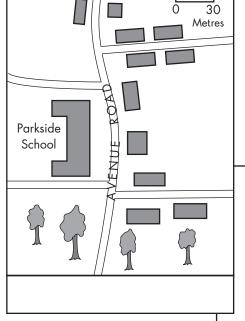
Name .....

How are maps different?

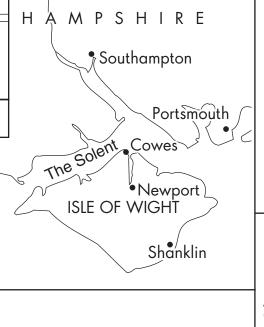
1. Working from the envelope opposite, write the different parts of the address under the map to which it belongs.



Parkside School
Avenue Road
Cowes
Isle of Wight
ENGLAND.



2. Colour the maps using blue for the sea and green for the land. Use the key on page 3 of the atlas to choose a colour for the roads.

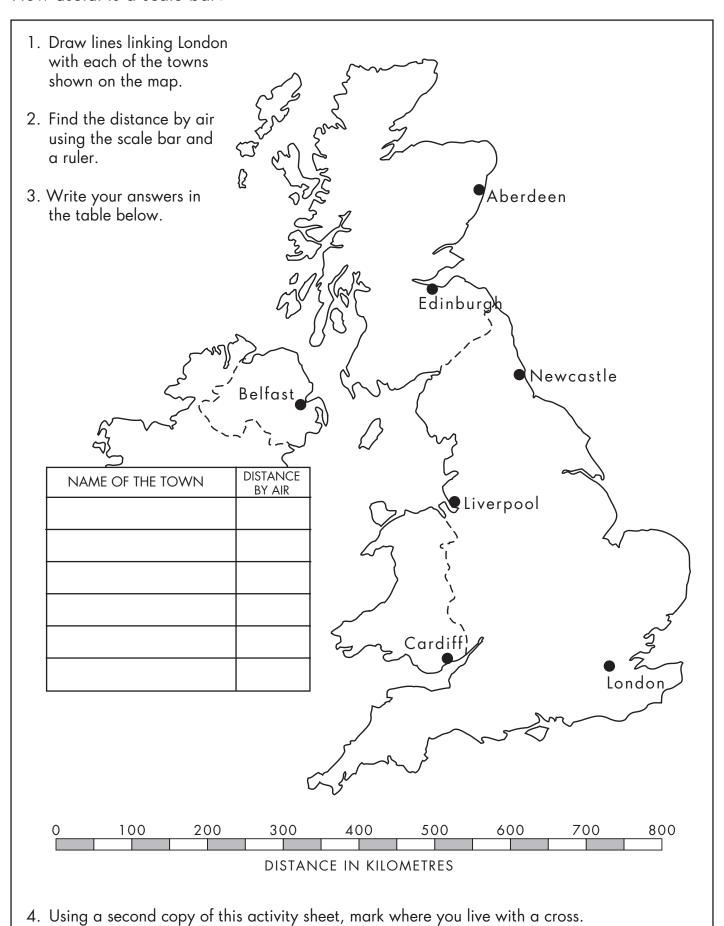


- 3. Write the address of your school on a separate piece of paper.
- 4. Make a set of maps to show the different parts of the address in the same way.

#### 5 Finding the distance

Name .....

How useful is a scale bar?



Work out the distances to the different towns in the same way.

#### 6 Edinburgh

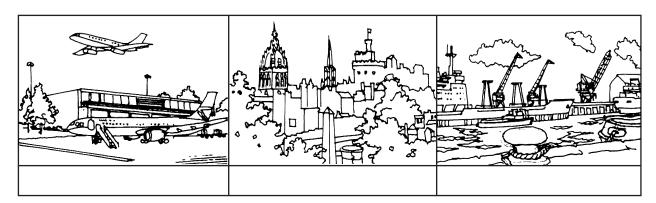
Name .....

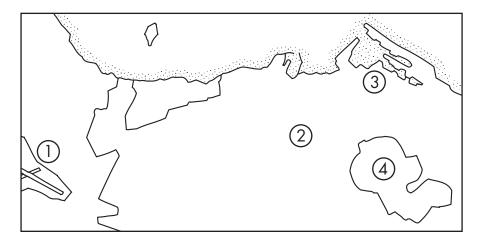
What are the special features of this city?

- 1. Colour the drawings around the map of Edinburgh.
- 2. Name and number each picture using the list.
- 3. Draw two other features in the empty boxes, using page 3 of the atlas for help. Label the new features and number them on the map.
- I Edinburgh Airport
- 2 City centre
- 3 Leith docks
- 4 Holyrood Park

- 4. Join the pictures to the map.
- 5. Which two features in Edinburgh will most other cities also have?

.....







#### 7 UK and the World

Where is the UK?

1. Add true or false to the box beside each of the following statements.

STATEMENT	TRUE OR FALSE
The UK is twice the size of France.	
Great Britain is the largest island in the world.	
The Atlantic Ocean lies to the west of the UK.	
To find polar bears you need to travel north from the UK.	
100 years ago London was the smallest city in the world.	
Africa is further south than the UK.	
The coastline of the UK is only 100 km long.	

2. Complete the fact file.

CITY	DISTANCE FROM THE UK	CONTINENT
Cairo	km	
New York	km	
Moscow	km	
Mexico City	km	

3. Now name three birds which visit the UK:

(a) in winter

(b) in summer

1. .....

1. .....

2. .....

2. .....

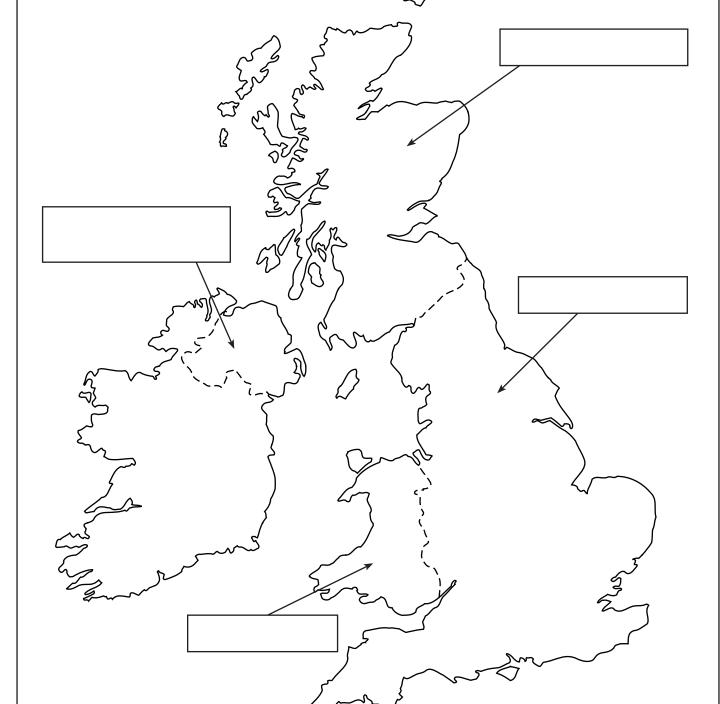
3. .....

3. .....

Where do you live?

- 1. Colour the different countries of the United Kingdom.
- 2. Write the name of each country in the empty boxes.





3. Put a dot for your local area and add the name.

## 9 UK regions

Name .....

How is the UK divided into different regions?

 Choose colours for the different regions of the United Kingdom by colouring the empty boxes in the key.

Northern England	
Midlands	
South East	
South West	
Wales	
Scotland	
Northern Ireland	

2. Colour the map using the colour code you have chosen.



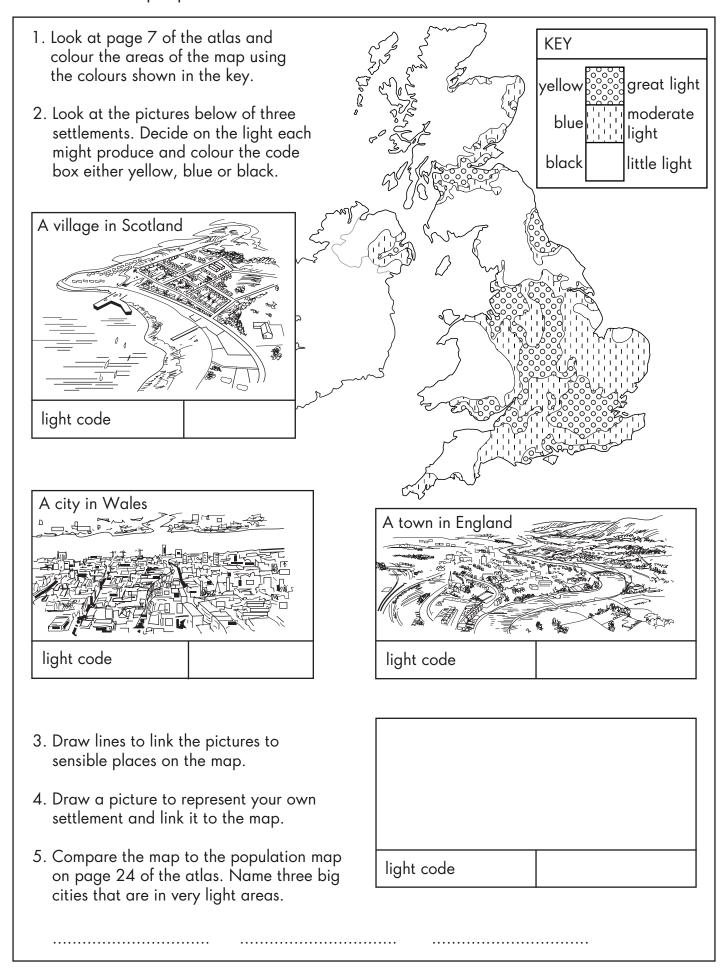
3. Working from page 6 of the atlas, write in the names of two important towns or cities in each region. Circle the name if it is a capital city or national capital.

REGION	СІТІ	ES
Northern England		
Midlands		
South East		
South West		
Wales		
Scotland		
Northern Ireland		

#### 10 City lights

Name .....

#### Where do most people live in the UK?



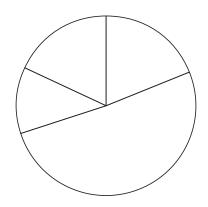
#### 11 UK land use

What is the land used for in the UK?

 Choose colours for each type of land use in the UK by colouring the empty boxes in the key.

Forest and woods	
Built up areas	
Crop farming	
Grassland	

2. Colour the pie chart using the colour code you have chosen.



3. Add the percentage of land in each category to the table below.

LAND USE	PERCENTAGE OF UK LAND AREA
Crop farming	
Grassland	
Forest and woods	
Built up areas	

4. Look at the two satellite images of the British Isles on page 7 of the atlas.

What would you see at night in the North Sea?

Which city can you see in Northern Ireland?

What is covering the mountains in Northern Scotland?

What would you see at night in Eastern England?

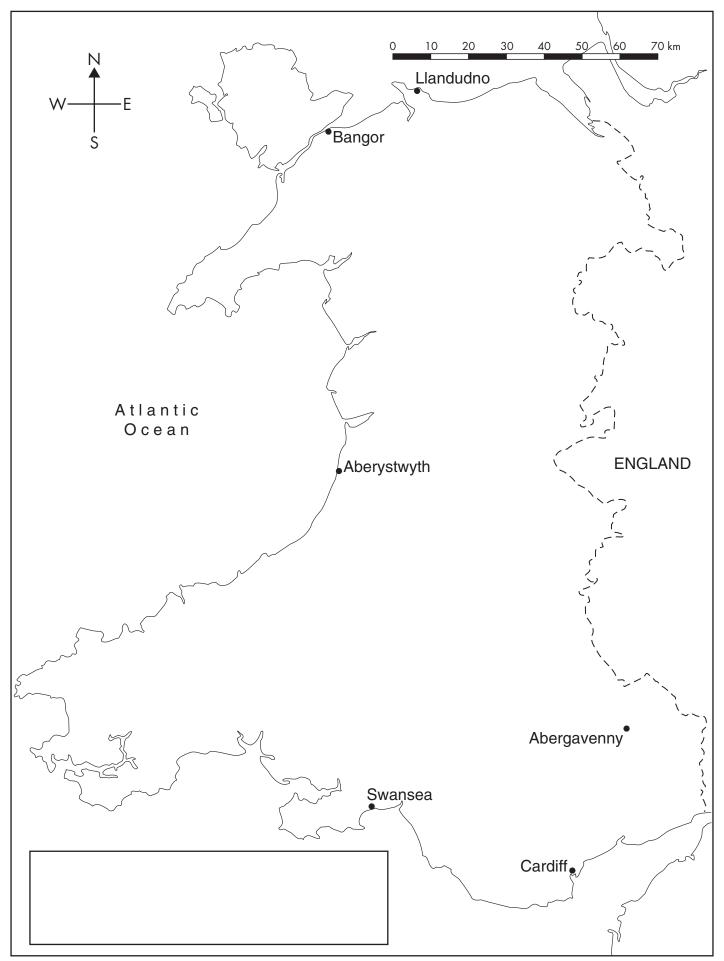
What colour is the shallow water?

Name three cities which are visible on the satellite image.

.....





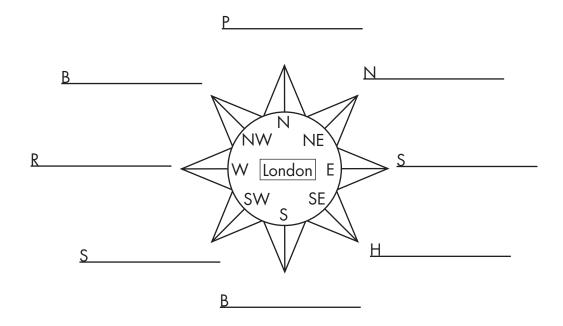


#### 15 Compass directions

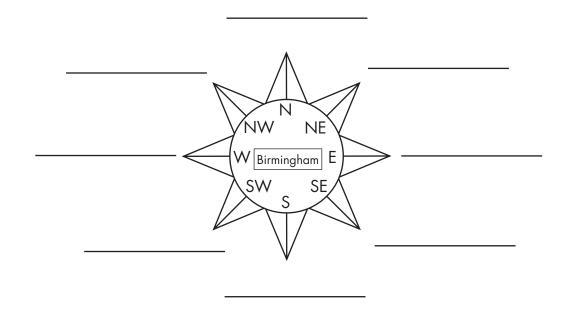
Name .....

How can compass directions be useful?

1. Name the towns in different compass directions from London.



2. Now name towns in different directions from Birmingham.

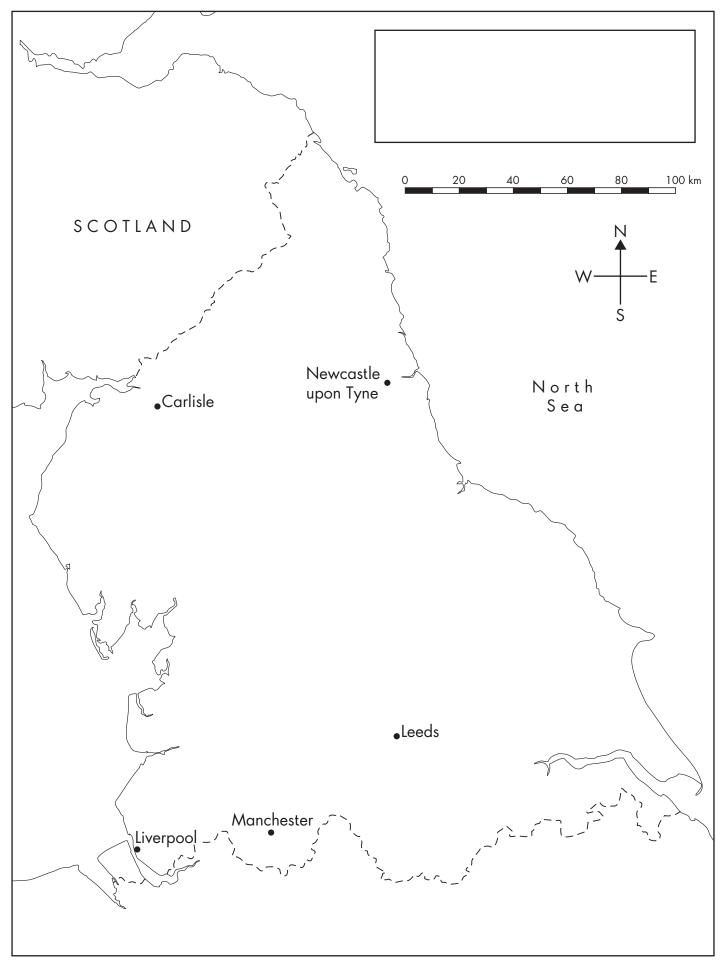


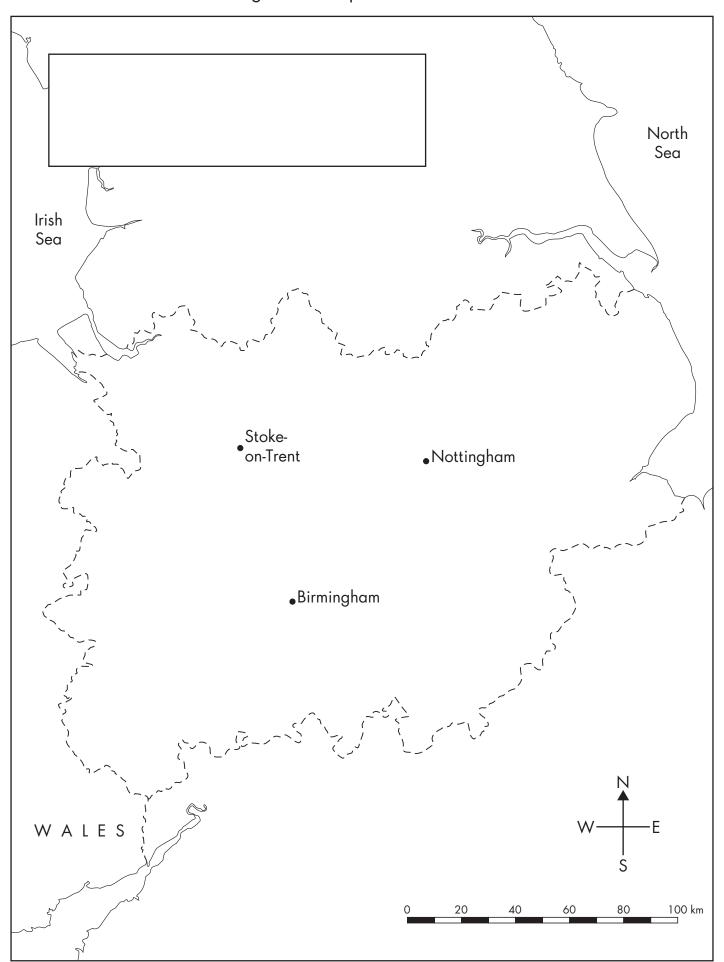
3. Make up a direction dial for your own locality.



## 17 Northern England

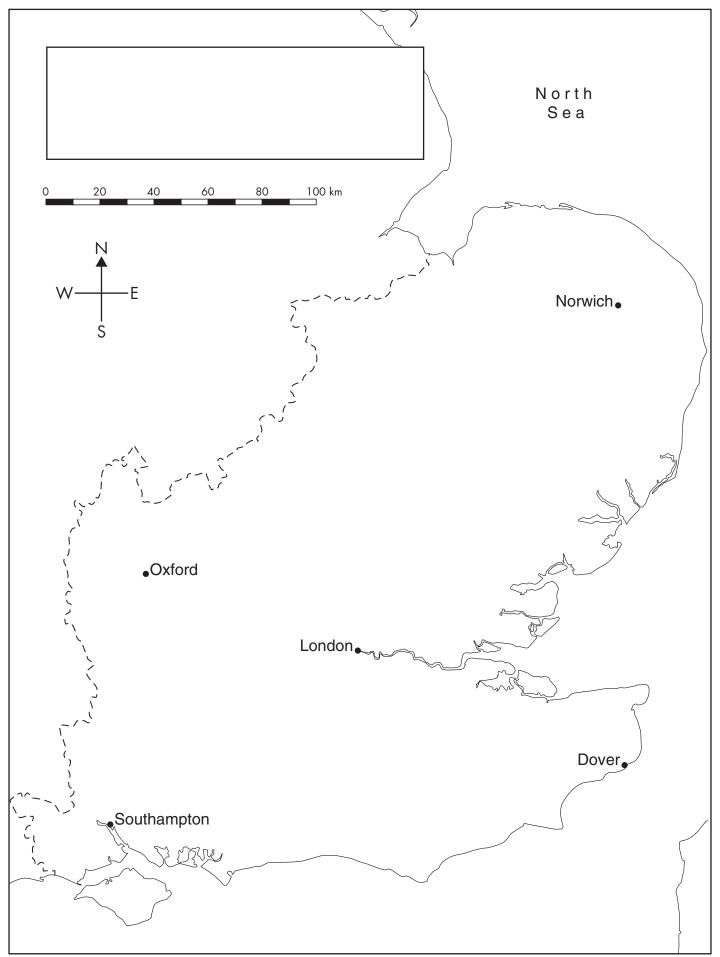
Name .....

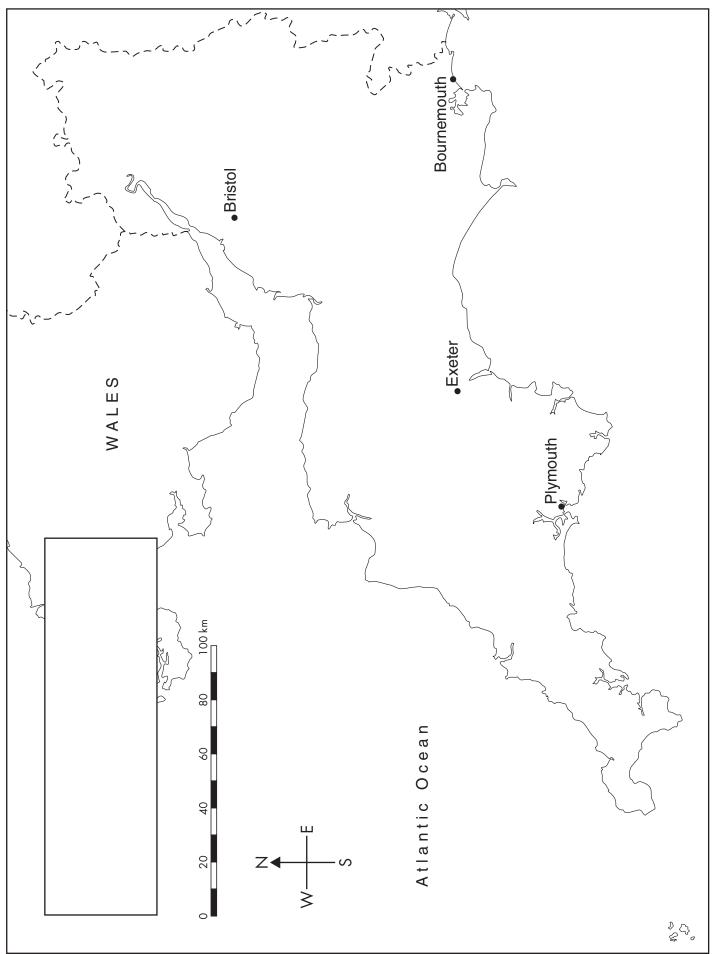




## 19 South East England

Name .....





#### 21 Prehistoric Britain

Name .....

What were the key events in Prehistoric Britain?

1. Make drawings to show some key events in Prehistoric Britain?

2. Add a date to each drawing.

Trees start to cover the land.

Farming begins.

Date

Date

Britain becomes an island.

Stone buildings and burial chambers.

Date

Date

## 22 The Iron Age

Name .....

What are the main buildings that remain from the Iron Age?

1.	Make a drawing of a broch and list
	the brochs shown on the map on
	page 15

2. Make a drawing of a hill fort and list the hill forts shown on the map.

page 13	

2. Do you think that it would have been easier to build a hillfort or a broch?

	•		•	•														 									•	•	 		
					•		•			•	•		•	•	•	•	•				•						•		 		

## 23 Family names

What do names tell us?

The timeline shows when different groups of people arrived in Britain. In the data files below are family names which are clues to these different people.

CELTIC

MacGregor
O'Brien
Jones
Owen
Davies

**CHINESE** 

Tang

Wong

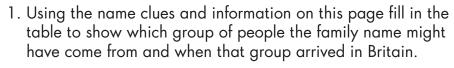
Ming Chow

ANGLO-SAXON
<i>(trades)</i> Smith Baker
<i>(colours)</i> Green Brown
<i>(trees)</i> Alder Birch

FRENCH	
Lemar Disney Petit D'Villiers Beaumont	

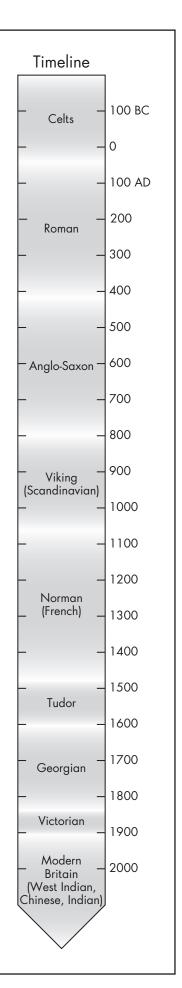






FAMILY NAME	GROUP	POSSIBLE DATE
Miller		
Larsen		
Dahili		
Ash		
Macmillan		
Chang		
Murphy		

2. Now investigate some of the family names in your class in the same way. Make a timeline for your class.



#### 24 Language links

Where do words come from?

1. The table shows some common words from other languages which are now part of English. Write each one in the correct box below.

SCANDINAVIAN	FRENCH	CELTIC
sister	café	crag
fjord	garage	loch
husband	crayon	coracle
fellow	crown	bog
LATIN	ITALIAN	ASIAN
circus	pizza	curry
street	spaghetti	dinghy
school	volcano	jungle
sponge	umbrella	shampoo
genius	balloon	bungalow

FOOD	PEOPLE	PLACES	OBJECTS

2. Collect some interesting sounding words from books, newspapers and the local area. Use a large dictionary to help you trace the languages they came from.

WORD	LANGUAGE	WORD	language

Look for the towns listed i was important in Roman, boxes if you need to.				
TOWN or CITY	ROMAN	VIKING	TUDOR	VICTORIAN
St Albans				
Chester				
Manchester				
Bristol				
Vorwich				
incoln				
.eeds				
xeter				
York				
Edinburgh				
Oxford				
ondon.				
Now complete these sent Most Roman towns dev The Vikings built towns	reloped from			

#### 26 Streets and houses

Name .....

How have houses changed over time?

1. Look at the pictures, descriptions and plans of houses on page 21 of the atlas. Fill in the table with a tick in the correct boxes.

	Tudor	Georgian	Victorian	1930s	1960s	2000	
Detached							
Semi-detached							
Terraced							
Back garden bigger than front garden							
Big windows							
Small windows							
Walls made of wooden beams and plaster							
Walls made of brick							
Walls made of concrete							

2. Draw a picture and a plan of a house in your local area. Fill in the empty column in the table for that house.

PICTURE

PLAN

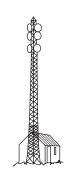
## 27 Changing villages

Name .....

How do villages change?

- 1. Colour the pictures.
- 2. Draw lines linking each picture to the correct welcome sign.

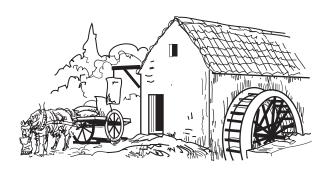














3. Write down the names of three villages you know.

Welcome to Broadwindsor 2002

VILLAGE NAMES
1.
2.
3.

4. List the two oldest and two newest features in your local area.

OLDEST	NEWEST

# 28 Village buildings

BUILDING	WHAT IS IT USED FOR?	CODE
Post Office		
Village Hall		
Housing		
School		
lnn		
Shop		
mportant. Make a list of building: ill in the table.	ed if the building is essential. Colour the box y s in the village of Broadwindsor, using page 2 WHAT IS IT USED FOR?	2 of the atlas, and
mportant. Make a list of building:		
mportant. Make a list of building: ill in the table.	s in the village of Broadwindsor, using page 2	2 of the atlas, and
mportant. Make a list of building: ill in the table.	s in the village of Broadwindsor, using page 2	2 of the atlas, and
mportant. Make a list of building: ill in the table.	s in the village of Broadwindsor, using page 2	2 of the atlas, and

## 29 Village life

Name .....

Is village life always the same?

1. Look at the village page in the atlas. Use the information to complete the table.

Name of village									
The village toda	ау	Main difference from 100 years ago							
POPULATION	About how many people live here?	More or less people than today?							
BUILDINGS	What are the important buildings?								
TRANSPORT	How do people travel?								

2. Now try the questions for your own area.

Name of settlement									
Your area toda	у	Main difference from 100 years ago							
POPULATION	About how many people live here?	More or less people than today?							
BUILDINGS	What are the important buildings?								
TRANSPORT	How do people travel?								

3. Now tick the boxes to show how your local area has changed.

NOW	
town or city	
village	
estate or suburb	
farmland	

100 YEARS AGO					
town or city					
village					
estate or suburb					
farmland					

4. Imagine your local area in 100 years time. Draw or write down your ideas about changes in population, buildings and transport.

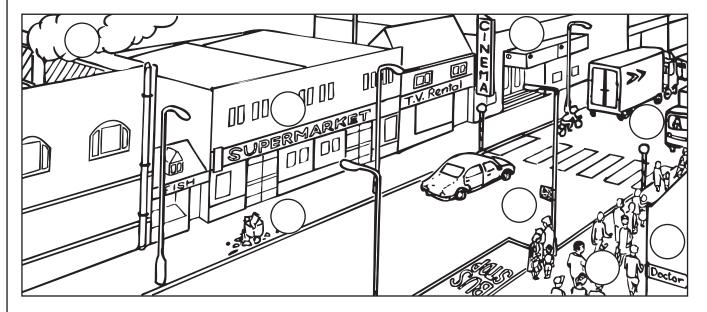
#### 30 City life

Name																		
1 101110	 		•	•	 •	•	• •	•		•	•	 •	•	•	•	•	 	•

What are the advantages and disadvantages of living in a city?

- 1. Write the numbers from the table in the empty circles in the picture.
- 2. Put a tick against what you think are the two most important advantages and disadvantages of city life.
- 3. Now decide which two advantages and disadvantages would be most important for an old person, and tick the correct boxes in the same way.

ADVANTAGES	FOR ME	FOR OLD PERSON	DISADVANTAGES	FOR ME	FOR OLD PERSON
1. Good shopping			5. Traffic		
2. Good transport			6. Litter		
3. Health service			7. Crowds		
4. Entertainment			8. Fumes		



4. Make a list of advantages and disadvantages of living in your own area.

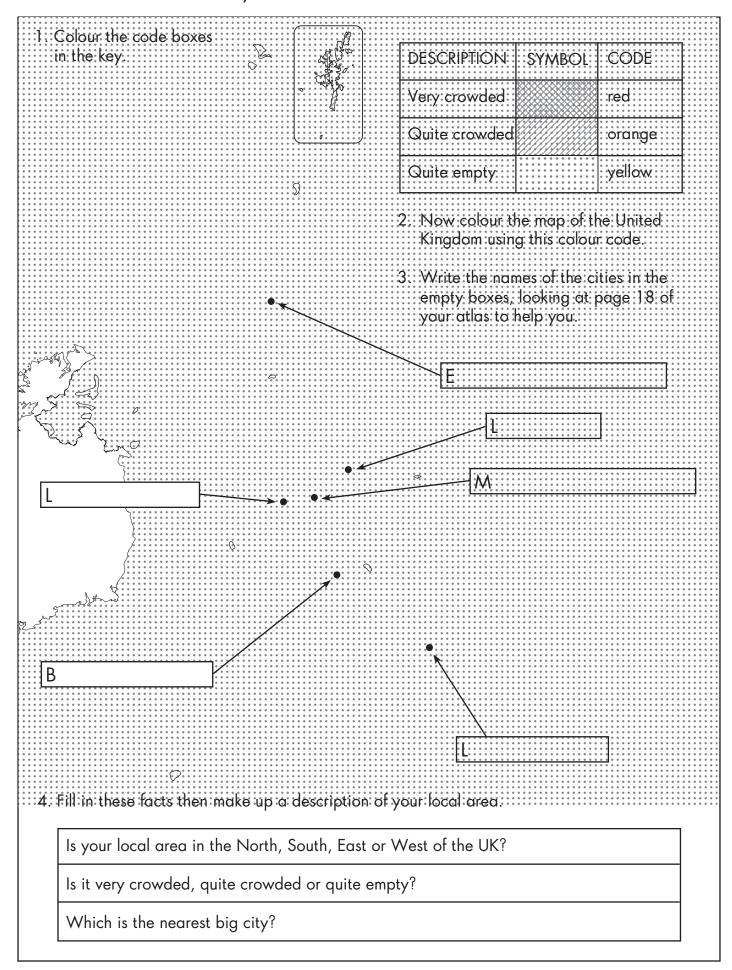
ADVANTAGES	DISADVANTAGES

- 5. Put a star against the things you think are most important.
- 6. Discuss your findings with the other children in your class. Produce a plan for improving a road, building or plot of land in your local area.

#### 31 Empty or crowded?

Name .....

Is the UK a crowded country?



#### What are famous places in London?

1. Using pages 26-27 of the atlas make a list of five famous places that they might like to see in central London. Write a short description of each one.

FAMOUS PLACE	DESCRIPTION
1.	
2.	
3.	
4.	
5.	

2. Some famous places in London were built hundreds of years ago. Colour the places below that existed in Tudor times in red, and colour those that are more recent in green.

The Shard

Westminster Abbey

St Pancras International Railway Station

Olympic Park

Tower of London

St Paul's Cathedral Westminster Palace

# 33 Travelling to London

Name .....

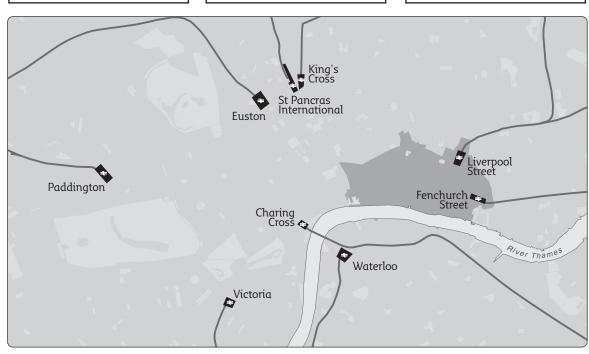
How and why do people visit London?

1. Using the map on page 32, write the names of the cities which are linked to different London stations.

Euston

Kings Cross

Liverpool Street



Paddington
B \_ \_ \_ \_

Victoria
B \_ \_ \_ \_

Waterloo
P\_\_\_\_

3. Write down two reasons why people might want to visit London.

1.....

2.....

## 34 DNA clusters

Name	
1 101110	

What are the different DNA clusters around the UK?

- 1. How many DNA clusters are shown on the map on page 28? . . . . . . . . . . .
- 2. Make a list of the cities shown on the map on the table below.
- 3. Say which DNA cluster each city belongs to. Leave a blank space if a city is not part of any cluster at all.
- 4. Colour the code boxes in a way that matches the map.

CITY	DNA CLUSTER	CODE

# 35 Sources of energy

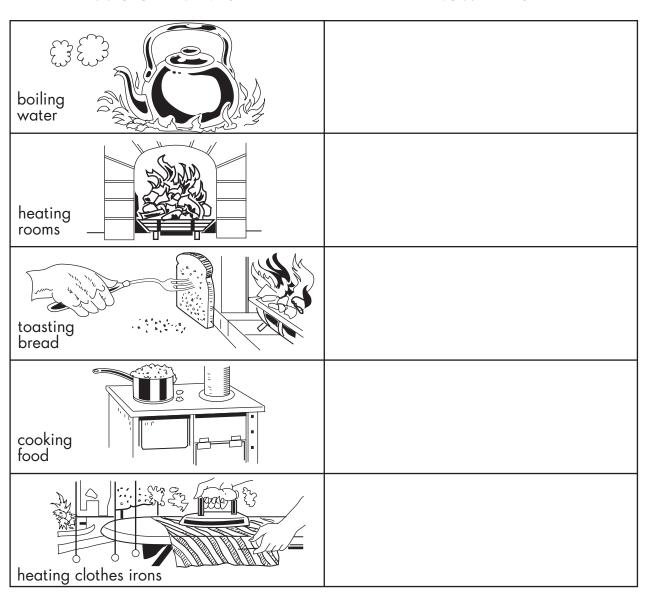
Name				
Name	 	 	 	

#### What makes things work?

1. Here are the ways that energy was used in the home in Victorian times.. Make drawings with labels to show how the same job is done today.

IN VICTORIAN TIMES

**NOWADAYS** 



2. Make a survey of your school. Put a tick for everything you discover that uses either oil, gas or electricity.

coal							
oil							
gas							
electricity							

3. Which energy source is most popular?.....

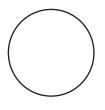
# 36 Nuclear power stations What are the nuclear power stations in the UK? 1. Working from page 30 of the atlas, make a list of nuclear power stations 2. Tick or colour the boxes to show if the power station is in the table below. in use now, planned for the future, or both. Planned In use for the **NUCLEAR POWER STATION** now future

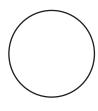
5.	VVrite	e a se	ente	ence	e g	IVII	ng	(a)	re	eas	on	<b>S</b> 1	tor	nı	JCI	ea	r p	oov	ve	r a	ınc	ı (b	o) (	ag	aır	ıst	nı	JCI	ec	ır	рс	wer
	(a)																															
															•							•			•							•
															•							•						•		•		•
	(b)														•																	
															•							•			•			•				•
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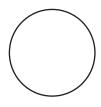
# 37 Renewable energy

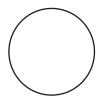
What are the different types of renewable energy?

1. Make your own symbols for different types of renewable energy.









<u>Solar</u>

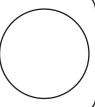
Wind

<u>Tidal</u>

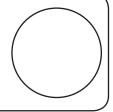
Hydro

2. Working from page 31 of the atlas, fill in the gaps in the sentences.

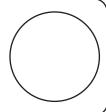
There are small wind farms in many parts of



Most solar farms are in southern

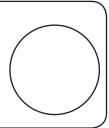


There could be a tidal barrage on the River

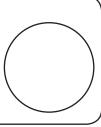


All the UK hydro power stations are in Wales and

. . . . . . . . . . . . .



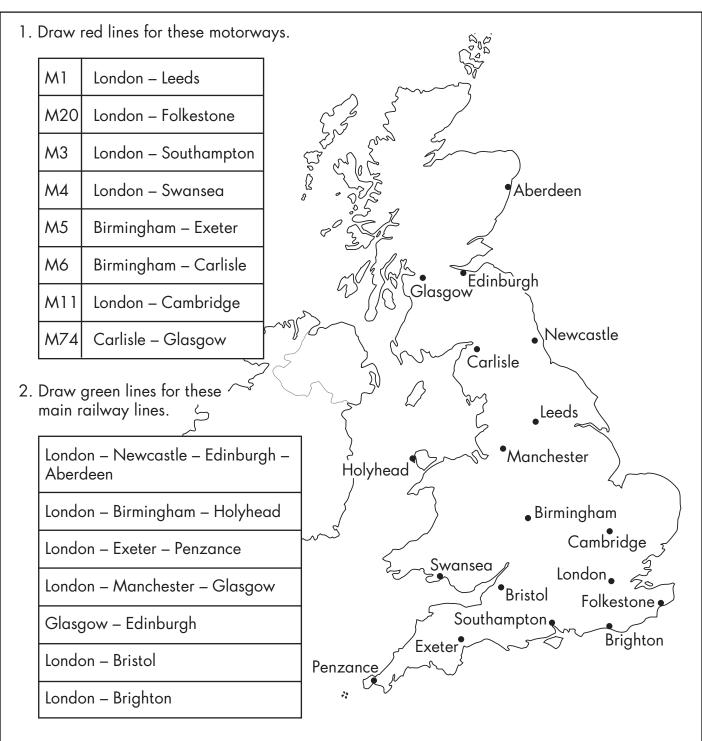
There are plans for new wind farms both on . . . . . . . and off



3. Draw the correct symbol in the empty circles.

4. Write a few sentences for and against different types of renewable energy.

How can you travel long distances?



3. Draw a diagram of the motorway or railway line nearest to your area. Name the start and finish and main places along the way.

start

39 Local transport problems	Name
-----------------------------	------

Which problems affect your area most?

Make a survey of the traffic problems in your local area.

- 1. Ask five children (include yourself) which six problems they think are most serious. Colour a square to show each of their answers.
- 2. Do the same for five adults.
- 3. Write the total of coloured squares for each problem.

TRAFFIC PROBLEM		LDREN	1			AD	TOTAL				
TRAITIC TROBLEM	1	2	3	4	5	1	2	3	4	5	IOIAL
1. Frequent traffic jams											
2. Not enough parking											
3. Too far from a motorway											
4. Too many heavy lorries											
5. Railway station too far off											
6. Trains unreliable											
7. Buses too slow											
8. Fares too expensive											
9. Not enough crossing places											
10. Not enough safe footpaths											
11. Not enough cycle storage											
12. More bus or tram lanes needed											
13. Transport information difficult to find											

4.	1. Using the totals, which are the three biggest problems in your local area?									
	1	2								
	3									

5. Make a report for the rest of the class listing ways of improving the problems. Use maps, diagrams and pictures to help others to understand your ideas.

# 40 Transport solutions

Does transport matter?

Here are some ways people make journeys.

1. For each method of transport tick the advantages.

	, grand and series of the seri	Service of the servic	is kelling	S S S	To the line of the
bus					
walking					
tram					
car					
cycling					
train					

2. How often do you use different ways of travelling? Tick the boxes.

	DAILY	WEEKLY	SOMETIMES	NEVER
bus				
walking				
tram				
car				
cycling				
train				

3. How would you describe your travel pattern?

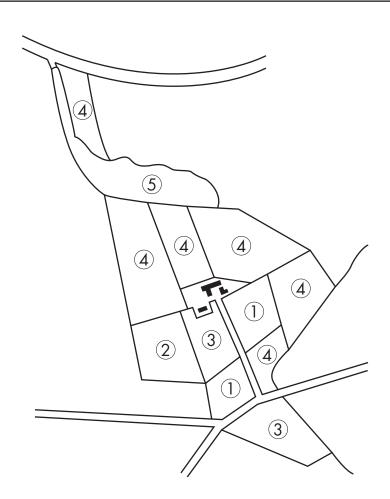
I have to go where I'm taken	
I use several different ways of travelling each week	
I just want to go places as quickly as possible	
I like playing and being outside	

4. How could you improve your travel pattern?

# 41 Field survey

Name .....

How is land used?



- 1. Working from page 37 find out what crops are grown in the fields numbered on the plans above, and write your answers in the table.
- 2. Find out what other land use there is on the farm and write your answers in the table.
- 3. Colour the code boxes in the table.
- 4. Colour the plan of the farm using this code.

CROPS	CODE
1	orange
2	red
3	green

OTHER LAND USE	CODE
4	brown
(5)	yellow

Say why the farmer might
change the pattern of crops next year.

......

# 42 Producing crops

What is the best way to grow crops?

1. Colour these drawings of the things which might help to grow prize cauliflowers.



selected seeds



weed killer





fertilizer



insecticide



2. Use the pictures to help you fill in the list of things to grow prize cauliflowers

LIST	
·····→	
·····→	
·····	>
·····	
·····	prize cauliflowers

3.	Look again at	the drawings	at the t	top of the	page.	Write ed	ach thing	next to	the	sentence
	that describes	it best.								

Produces good plants but may increase the risk of disease.

4.	Some peop	le are v	vorried tl	hat we	use too	many c	hemicals	on our	crops.
	Write a sen	itence c	or two of	vour o	wn expl	ainina t	he dana	ers.	

•••••		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •

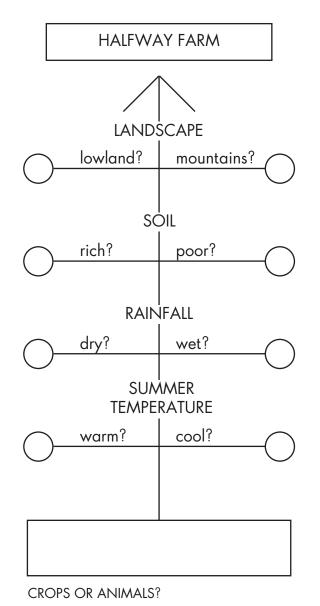
#### 43 Different farms

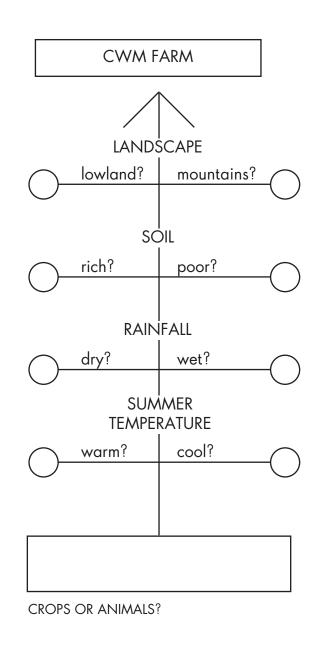
Name .....

What affects the character of farms?

- 1. Read the descriptions of the two different farms.
- 2. Complete the decision tree diagrams by colouring one of the circles on each branch.
- 3. Working from page 36 of the atlas, list the crops or animals at each farm in the space underneath.

CROP FARM	Halfway Farm is in flat country with rich soil. It has a dry climate with warm summers.
HILL FARM	Cwm Farm is in the mountains of Wales. The soil is thin. It rains a lot and the summers are cool.





# 44 Farming issues

Name		
INGIIIC	• • • • • • • • • • • • • • • • • • • •	•

How do farming issues affect me?

This questionnaire is about farming issues.

- 1. Read the statements. If you agree colour the box green. If you disagree put a cross.
- 2. Now ask five other people for their views. Colour or cross in the same way.

FARMING ISSUES	MY ANSWER
It worries me that supermarket food travels hundreds of miles to reach the shelves.	
I don't like the idea of pesticides and fertilizers getting into the soil and my food.	
I should always try to buy food from local or UK farmers.	
Hedges don't really matter.	
I like to eat meat quite often even if animals have to be kept in crowded conditions to keep up the supply.	

5 OTHER PEOPLE							
1	2	3	4	5			

3.	On	which	issue	do	most	people	DISAGREE	with	you?
----	----	-------	-------	----	------	--------	----------	------	------

.....

4. Write three reasons to try and change their minds.

1. .....

)

.....

3. .....

.....

# 45 Farming for food

Name .....

Which foods are farmed in the UK?

7 1111	cii ioods die	idililed ill the O	1 .			
	your atlas will l	of the following fo help for most of the e UK and red for fo	em. Colour circ	les using green fo	ne UK. Pages 30 r foods that car	5-37 of n be
	CEREALS		FRUIT		DAIRY	
	Wheat		Apples		Milk	
	Oats		Pears		Butter	
	Barley		Bananas		Cheese	
	Rice		Oranges		Yoghurt	
	MEAT		VEGETABLES		SWEET FOOD	S
	Beef		Potatoes		Sugar cane	
	Lamb		Carrots		Sugar beet	
	Pork		Cabbage		Honey	
	Chicken		Peas		Cocoa beans	
2.	Why do you th	ink that not all cro	pps can be grov	vn in the UK?		
					•••••	
	Draw and labe farmed in the U	l a picture of your JK?	favourite meal	. Can all, most, oi	r none of it be g	grown or

#### 46 Leisure time

Name .....

What types of leisure are there?

1. Using page 38 of your atlas find examples of three different types of tourist attraction.

HISTORIC	COAST AND COUNTRYSIDE	SPORT AND ENTERTAINMENT

2. Here is a list of tourist attractions and leisure places. Write them in the best circle set below.

castle cinema theme park museum
swimming pool cathedral pier country park
lake race track abbey beach

historic coast and countryside

sport and entertainment

3. Now list tourist attractions and leisure places in your own area. Don't forget places that are free to go in like parks and museums.

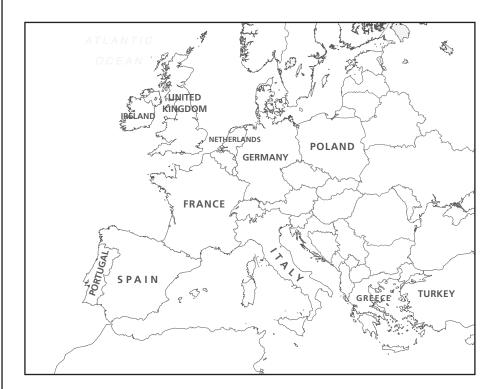
HISTORIC	COAST AND COUNTRYSIDE	SPORT AND ENTERTAINMENT

4. Make a map of your local area showing a visitor where leisure places are. What improvements could you add?

# 47 Holidays abroad

Where do we like to go on holiday?

1. Using the information on pages 38-39 of your atlas colour the countries on the map which are popular with UK tourists.



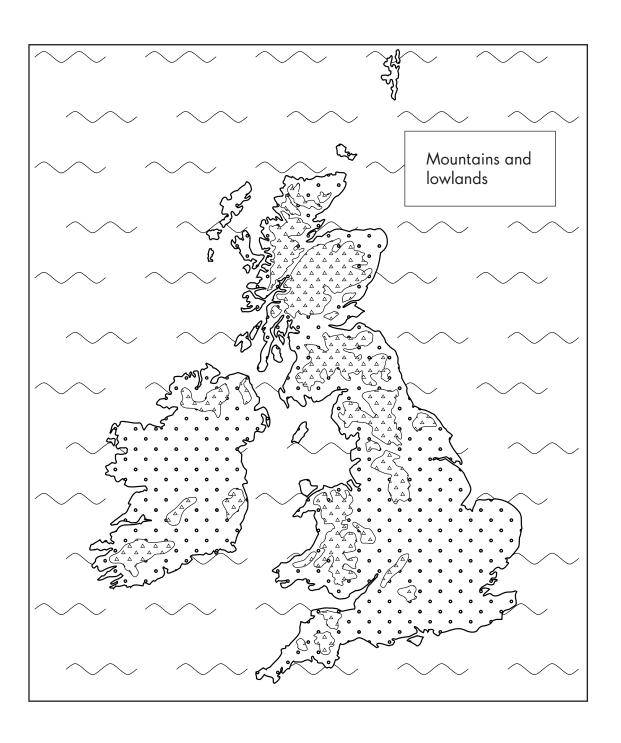
2. Make a list of the advantages of travelling abroad for your holidays compared to holidays in the UK.

	ADVANTAGES OF HAVING HOLIDAYS IN THE UK	ADVANTAGES OF TRAVELLING TO OTHER COUNTRIES FOR YOUR HOLIDAYS
Cost		
Time spent travelling		
Places to visit		
Weather		
Language		
Food		

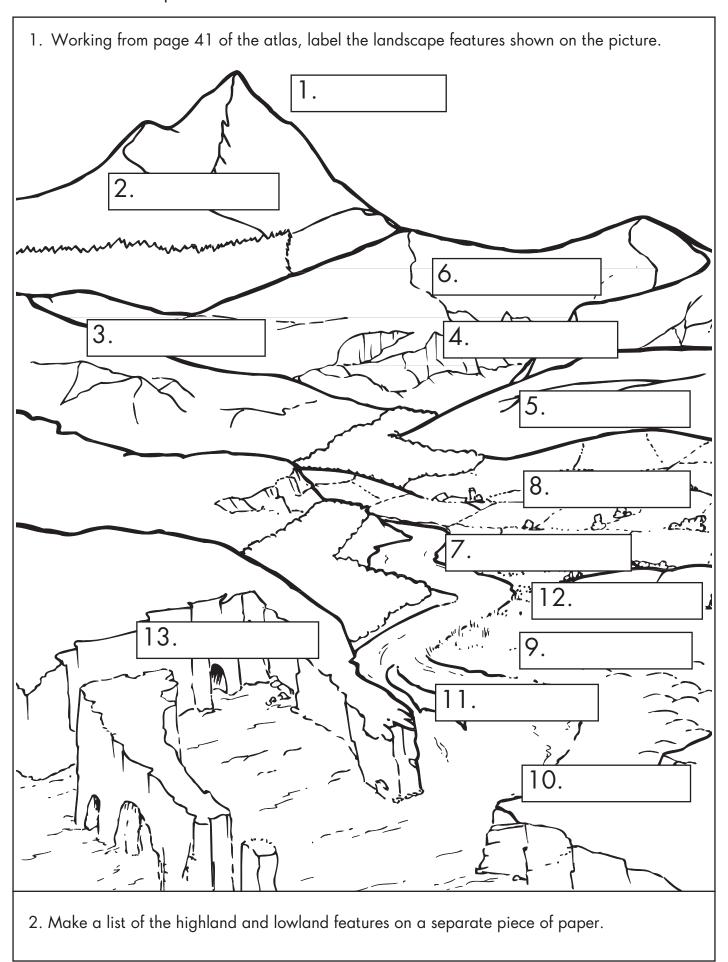
How can you show mountains and lowlands on maps?

- 1. Colour the code boxes in the key opposite.
- 2. Using these codes colour the map of the United Kingdom and Ireland.

Mountains (over 200 metres)	brown
Lowlands (under 200 metres)	green
Sea	blue



### What is a landscape?



# 50 Landscape features

Name .....

Can you describe your local landscape?

1. Using page 41 of the atlas, look at these landscape features. Write C next to coastal features and M next to mountain features.

		С	М			С	М
1	Peak			9	Sand dunes		
2	Mountains			10	Beach		
3	Upland and moors			11	Delta		
4	Rock outcrop and crags			12	Marshland		
5	Hills and downs			13	Cliffs		
6	Steep slope			14	Caves		
7	River			15	Arch		
8	Lowlands			16	Stack		

2. Choose three of your local landscape features. Draw them and write their local name. Put a tick if they appear on local maps.

1.	2.
Name	Name
3.	3. Put a tick to describe your local area.

Name

4. Write a sentence to describe your local landscape to visitors.

near the coast

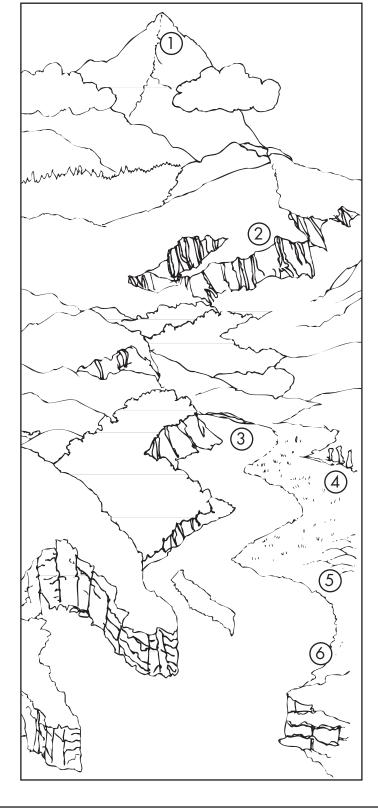
inland

# 51 Using the landscape

Name .....

How do people use the Mountain and Lowland landscapes?

- 1. Working from page 41 of the atlas, say why the activities listed in the table might happen at the place marked on the picture.
- 2. Colour the picture.



- 1. MOUNTAINEERING
- 2. HANG GLIDING
- 3. CANOEING
- 4. BIRD WATCHING
- 5. PICNICKING
- 6. SWIMMING

How are rocks used?



 This is a picture of Cromer, a seaside town in Norfolk. Use the numbers on the table to see how rocks have been made into building materials. Use the picture to help you to fill in the empty boxes.

ROCK	HOW USED	WHAT IS IT USED FOR?
1. Ragstone	Cut into blocks	
2. Slate	Split into thin tiles	
3. Clay	Baked to make bricks and tiles	
4. Granite	Mixed with tarmac to make a hard surface	
5. Limestone	Ground into powder for plaster	
6. Sand and limestone	Mixed together to make concrete	

COLO	UR
yellow	
blue	
red	
black	
green	
brown	

- 2. Fill in the colour code boxes. Then colour the picture at the top of the page using the code.
- 3. Make a picture to show rocks in the streets near your school.

# 53 Ways of eroding

Name .....

How does erosion affect the environment?

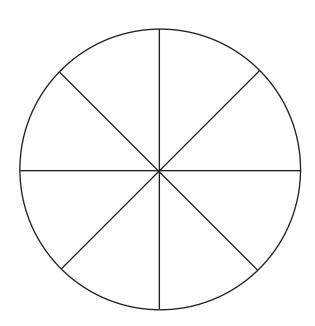
- 1. Our surroundings are changed by the action of water, wind and temperature changes caused by sunshine or frost.
- 2. Look around the school site for evidence of change and erosion. Write down where you saw the evidence.
- 3. For each type of erosion show how it was caused by colouring the box.

WATER Blue		TEMPERATURE	Green	WIND	Yellow
EROSION CLUES		WHERE?			COLOUR
1. Where puddles happer	า				
2. Broken parts of the roo	f				
3. Cracks in walls					
4. Blistered paint					
5. Marks down walls					
6. Cracks in the ground					
7. Something faded					
8. A CLUE OF YOUR OW	/N				

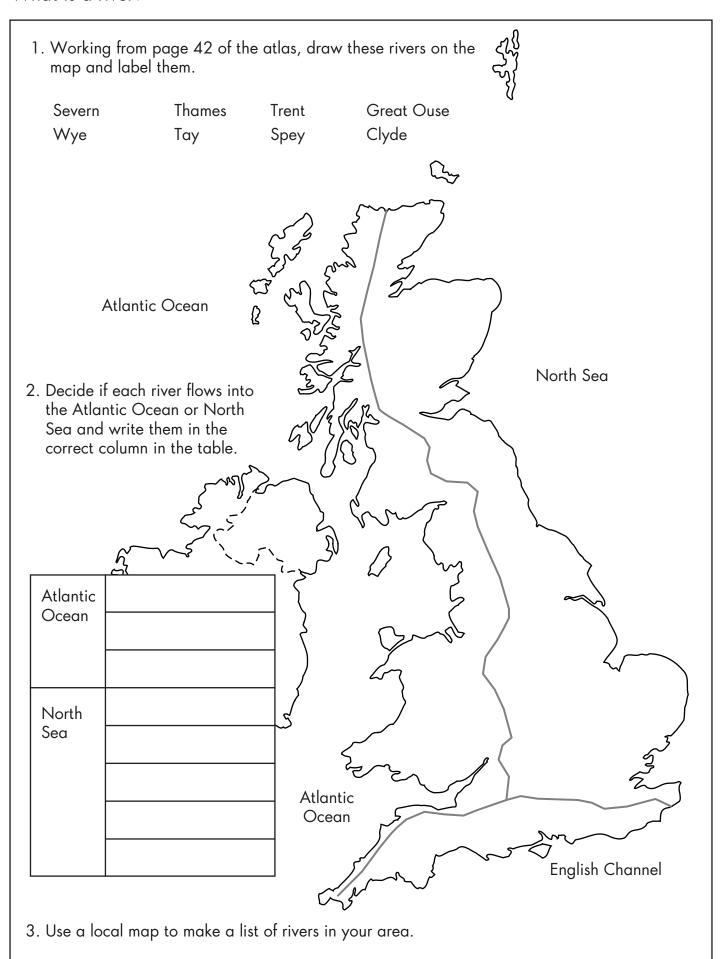
- 4. For each colour box colour a part of the pie chart.
- 5. Which sort of erosion is most affecting your school?

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	

6. Draw a picture or write a description of your school in the future if nothing is done about erosion.



#### What is a river?



# 55 The journey of a river

Name .....

What are the features of a river?

1.	Write the words from the list in the correct boxes on the picture.	
	<ol> <li>Stream</li> <li>Valley</li> <li>Waterfall</li> <li>Gorge</li> <li>Tributaries</li> <li>Meanders</li> <li>Estuary</li> <li>Sea</li> </ol>	1. 2.
2.	Use these words to help you write a few sentences about the journey of the river.	Many and a second
		3.
		4.
		5.
		80
		6
		6.
		7.
		8.
		1/3

# 56 Coastal landscapes Name .....

What is the difference between a headland, bay and island?

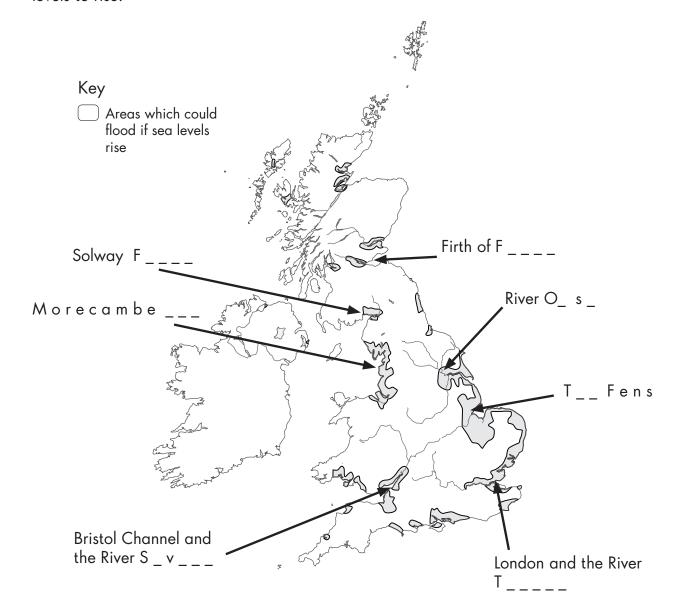
1. Draw simple maps of a headland, bay (firth) and island in the boxes below.					
2. Using the maps on page 45 and pages 8–13, nam	e some examples to go with your maps.				
HEADLAND					
BAY					
ISLAND					

#### 57 Flood risk

Name .....

Which places might flood if sea levels rise?

1. Colour the map and key to show places that could flood if global warming causes sea levels to rise.



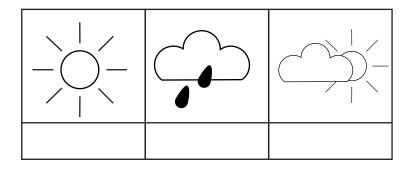
- 2. Using page 42 of your atlas complete the place names on the map above.
- 3. Say how you think the flood risk could be reduced.

• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	

#### What should we wear on holiday?

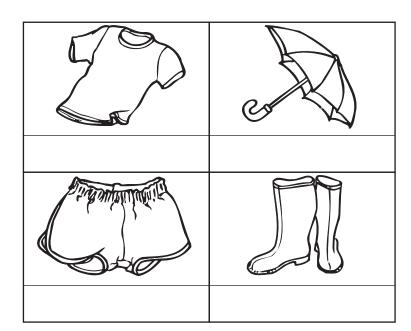
 Colour the weather symbols and label them using these words.

sunny rainy sun and cloud

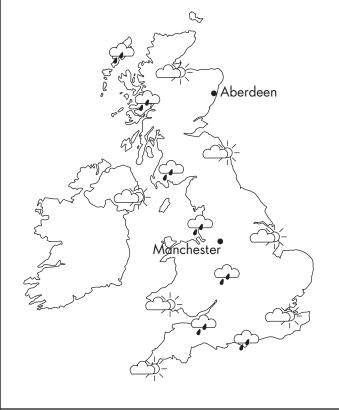


2. Now colour the clothes and label them using the words from the list.

T shirt Umbrella Shorts Boots



3. Using the map, decide on the weather and the clothes needed in Aberdeen and Manchester.



PLACE	Aberdeen
WEATHER	
CLOTHES NEEDED	

PLACE	Manchester
WEATHER	
CLOTHES NEEDED	

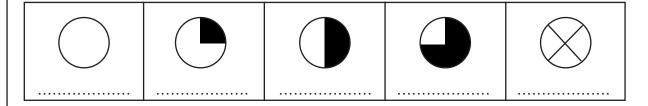
# 59 Recording the weather

Name .....

How can we record changes in the weather?

1. Label the cloud cover symbols using these words.

clear sky, sky covered, mostly cloudy, half cloud, some cloud



2. Make drawings of different wind conditions. You might use flags, smoke, waves or leaves.

CALM	GENTLE BREEZE	strong wind	GALE	

3. Add the correct number from the key opposite to show the wind speed in kilometres per hour.

KEY			
$\bigcirc$	10-	30→	<b>70</b> →

4. Make a survey of cloud cover and wind speed at different times at your school during the day.

TIME	CLOUD COVER	WIND SPEED		

## 60 Weather and places

Name			
1 Maille	 	 	 

Does the weather affect the way people live?

1. Read about weather and	life in Chembakolli	in India in	the table below.
Now write the details for	your own area.		

#### **DISTANT PLACE** ADDRESS OF PLACE Chembakolli Name Kozhikode (Calicut) Nearest city India Country Continent Asia **WEATHER** Rain Two seasons, one very wet, one very dry Usually quite hot Sun with overhead sun Wind Not much wind but occasional storms DAILY LIFE Light and cool Clothes In the dry season Water water is precious Buildings Single storey, small windows, shady courtyards

# ADDRESS OF PLACE Name Nearest city Country Continent WEATHER Rain Sun Wind

YOUR LOCAL AREA

**DAILY LIFE** 

Clothes

Water

**Buildings** 

2. What is the main way the weather in your area differs from the place in India?
3. Record the weather today. How warm?
Sunny? Rainy? Windy?
4. How will the weather affect what you wear or do today?

#### 61 Extreme weather

Name .....

What happens when we get extreme weather in the UK?

1. Look at the newspaper headlines below. Using a map of the UK, arrow in each headline to the affected part of the UK. FLOODS! HAILSTORM! 2009 - Heavy rain and 1843 - One of the strong winds swept across country's worst ever the country, with the worst hailstorms left piles of flooding in Cumbria and hailstones up to 1.5 the Lake District. metres deep in East Anglia. FLOODS! 2015 - Heavy rain caused the River Ouse to rise 5 metres above normal, flooding low lying parts of York. **HEATWAVE!** 1976 - Parts of southwest ICY! England went for 45 days 1683 - The winter was so without rain in July and cold the River Thames **HURRICANE!** August as the ÚK froze over and people 1987 - About 15 million experienced the hottest were able to walk across trees were blown over summer since records the ice. when a great storm hit began. southern England. 2. What can people in the UK do to be prepared for extreme weather such as flooding or strong winds?

#### 62 Threatened wildlife

Name .....

Which UK endangered and threatened animals have you seen?

1. The list below shows some of the endangered and threatened animal species in the UK. Complete the wordsearch, marking the species that you have seen in the wild in the UK in green, and the species that you have never seen in red.



Brown hare Sand Lizard Marsh Fritillary Cod Natterjack toad Slow worm Cuckoo Otter Skylark Song thrush Dormouse **Porpoise** Hedgehog Red-backed shrike Turtle Dove Red squirrel Grass snake Water vole

2. List the species that you have seen and compare it to other children's lists in your class. Why are you more likely to see some species of animals than others?

# 63 Types of pollution

Name .....

#### What is pollution?

1. Label the pollution drawings below.

car fumes

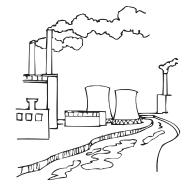
rubbish

vandalism

factory waste

derelict buildings

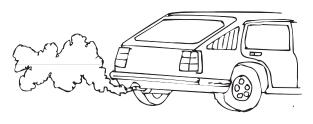
noise













TYPE **POLLUTION** 

2. List the different examples in

the table opposite and some more of your own.

3. Add one of the letters from the code below to show if the pollution affects land, air or sea.

> Land pollution Air pollution Water pollution

	·

# 64 Environmental problems Name .....

What environmental problems affect habitats in the UK?

PROBLEM Too many car journeys			BLEM Increasing use of icides
RESULT Car fumes pollute the air	44 437	RESI	JLT
WHAT CAN YOU DO TO HELP? Walk short journeys instead of travelling by car		WH. HELF	AT CAN YOU DO TO
OBLEM Garden compost made from peat			PROBLEM Over fishing
'HAT CAN YOU DO TO			WHAT CAN YOU DO TO HELP?
PROBLEM New housing developments are built on farmland	The state of the s		EM More people flying for holidays
RESULT		RESULT	•
WHAT CAN YOU DO TO HELP?		WHAT HELP?	CAN YOU DO TO
What other problems are show	n on the map on pag	ge 48 of	the atlas?
	fect your area.		

# 65 Local problems

Name						
Nume	 	 	 	 	 	 

What environmental problems affect my area?

<ol> <li>Plan a walk around your neighbourhood that links six places toget</li> </ol>	I. Plan	an a walk around	vour neighbo	ournood that	t links six	blaces	toaethe
---	---------	------------------	--------------	--------------	-------------	--------	---------

2. Record any environmental problems in the table below.

PLACE	ENVIRONMENTAL PROBLEM
1	
2	
3	
4	
5	
5	
6	
0	

3.	5	èе	le	ec	t	0	ne	Э	0	ł	th	ıe	S	е	p	r	ol	bl	le	n	าร	<b>.</b>	S	òc	אָנ	/	٧	⁄ł	ıc	at	: (	C	0	u	d	b	е	C	lc	or	ıe	•	tc	)	d	e	al	١	<b>N</b>	it	:h	i	t.					

# 66 Serious problems

Name .....

Are some environmental problems more serious than others?

<ol> <li>Working from pages 48 and 49 of the atlas, list eight different environmental problems on the table below.</li> </ol>		FECT (			TIME IT		
<ol> <li>Think about each problem in turn. Decide how it affects living things and how long it is likely to last. Circle the number in the correct column to show your answer.</li> <li>Add up the totals.</li> </ol> POLLUTION PROBLEM	Only affects plants and animals	Only affects people	Affects all types of life	Lasts up to a month	Lasts up to a year	Lasts many years	TOTAL SCORE
T OLLOTTOTA T KOBLETW							
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
	1	2	3	1	2	3	
4. Which problems seem most serious?							

# 67 National parks

What is special about national parks?

1. Complete this sentence from your atlas.

"The idea of setting up parks to protect

- 2. Colour the national parks on the map below.
- 3. Looking at page 50 of your atlas, find out what they are called and write their names in the table.

1

2

3

4

(5)

6

7

8

9

10

1

12

13

(14)

(15)

4. Find out how many children in your class have visited a national park.

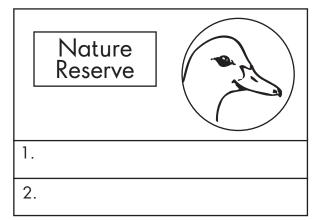
# 68 Conservation projects

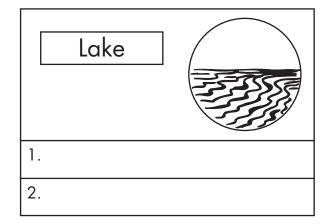
Name .....

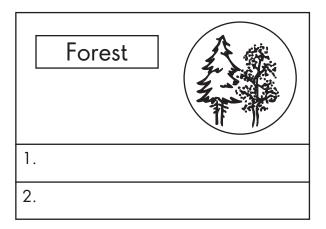
What is a conservation project?

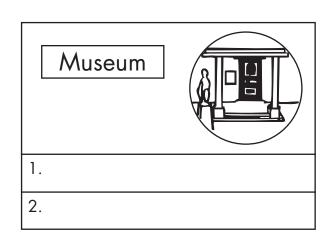
1. Colour the signs for the different conservation projects.

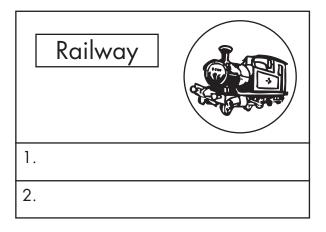
2. Complete the boxes by adding examples of places that you have visited.

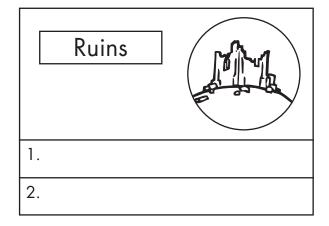












4. Discuss why you think these places have been conserved.

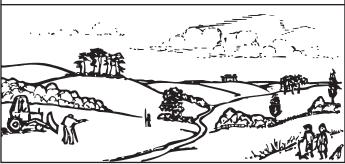
## 69 New quarry scheme

Name	
1 101110	

Are conservation projects always popular?

- 1. Read the description of a scheme for a new quarry.
- 2. Working with a partner, read the statements in the table below.
- 3. Colour the circle green for any statement which is "in favour" of the scheme. Colour the triangle red for any statement which is "against" the scheme.
- 4. Add your views in the empty spaces for School children.

THE SCHEME A local company is running short of chalk for its cement works and wants to open a new quarry. Although this will affect a peaceful valley, the company says it will work tidily, put back the soil and plant new trees. However some people are worried about the noise, traffic and threat to wildlife.



PEOPLE	STATEMENT		IN FAVOUR	AGAINST
F	Our factory has to make a profit.			$\triangle$
Factory managers	The factory will close if we don't find a new qu	ıarry.	Ŏ	$\triangle$
	The quarry will destroy a beautiful valley.		Ŏ	$\triangle$
Conservationists	The footpaths will be closed.		Ŏ	$\triangle$
Landardari	It will bring a lot of noise.		Ŏ	$\triangle$
Local residents	We won't notice the work behind the trees.		0	$\triangle$
Maria and	We like picnicking in the countryside.		O	$\triangle$
Visitors	Quarries are exciting places.		0	$\triangle$
La manadat sa m	The scheme will create new jobs.			$\triangle$
Lorry drivers	The country needs new building cement.			$\triangle$
_	We shall have to sell some land.		O	$\triangle$
Farmers	The land will be restored when the quarry is fir	nished.	O	$\triangle$
	The company has promised to be very careful.			$\triangle$
Local councillors	A lot of people are very worried.		O	$\triangle$
Cahaal ahildus			0	$\triangle$
School children				$\triangle$
5. Add up the totals.		TOTAL		

6.	Consider	each pai	ir of state	ments and	d list th	e people	e in the	e correct	box	below.

FOR	BOTH FOR AND AGAINST	AGAINST

70	World	Heritage	sites
----	-------	----------	-------

Name .....

What kind of places have been chosen as World Heritage sites?

1. Using page 51 of the atlas, name one example of each type of site. How many can you find altogether?

	EXAMPLE	NUMBER OF SITES
Ancient monument		
Cathedral or church		
Castle or palace		
Coastline		
City		
Gardens or park		
Industrial or mining landscape		
Islands		
Others		

2. Complete the following sentences, using the word box for help.

Cultural World Heritage sites protect buildings, sites and ...... which are

outstanding from the point of view of ...... or ...... or ......

Natural World Heritage sites protect places that are particularly ...... or have

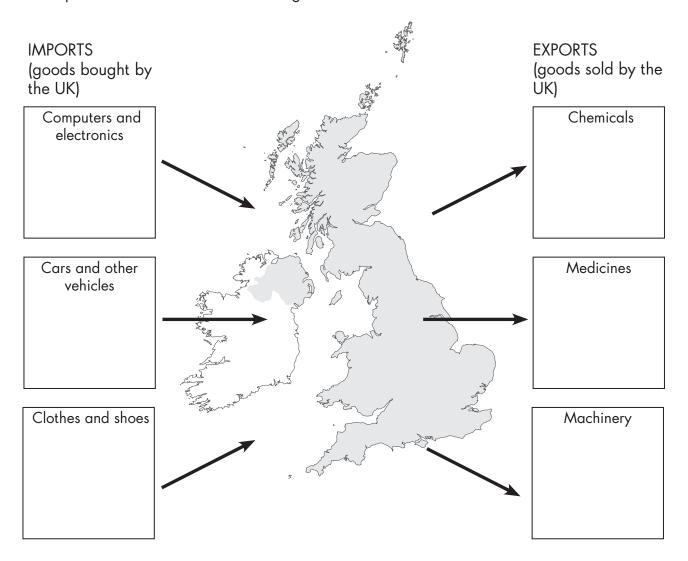
habitats that are important for ...... and ............ WORD BOX

history wildlife science art
beautiful science monuments

3. Colour the rows of the table yellow for cultural sites and green for natural sites.

Which goods does the UK buy and sell?

1. Draw pictures of some of the different goods that the UK trades with other countries.



2.	What are	e the a	dvantages	of trading	g these	goods	with	neighbou	ring	Europe	an
	countries	like Fro	ance and (	Germany?							

.....

.....

3. What are the advantages of trading with a large country like the USA?

## 72 Sporting links

Name .....

What do the Olympic Games mean for the UK?

1. Using page 53 of the atlas, mark the cities that have hosted the Olympic Games since 2000.



2. The Olympic Games bring many benefits to the countries that host them. Colour in the benefits to countries that you think will last long after the Games finish.

Publicity all around the world for the country

New transport routes It is
exciting for
people to have
the Games in
their country

Big new sports stadiums and other sports facilities

Best athletes have a chance to compete against each other

Money
available to
build houses for
poor people

Lots of people will want to visit the country

3. What challenges do you think countries have to face by holding the Olympic Games?


.....

#### 73 UK in the future

Name .....

How do we want to live?

1.	Look through	the	pages	in the	atlas	and	think	about	what	would	make	the	UK	a	better
	place to live.														

Read the boxes below and number the circles 1 to 10, with 1 for the box you think is most important and 10 for the one that is least important.

Colour the circles red if you think these things will need people to make wise choices.

cleaner air

fast travel to countries all around the world

fast roads between places

cheaper food

more houses that people can afford

protected wildlife

cheap electricity

more jobs

more parks and countryside for people to enjoy

clean beaches and sea water

2. Draw a picture of how you think your local area could look in the future if people do not make wise choices now.

74	G	ossary
----	---	--------

Name	
1 101110	 •

What kinds of words are in the glossary?

1. Look at the glossary and fill in the gaps to give the meaning of the following words. Look through the atlas to find an example of each of the features described. The first one has been done for you.

#### SETTLEMENTS, PEOPLE AND PLACES

GLOSSARY WORD	DESCRIPTION	EXAMPLE OF THE FEATURE IN THE ATLAS
Capital City	The city where a country's laws and decisions are made.	London
Country	A t with its own flag, I and capital city.	
Community	A group of p who share the same ideas and beliefs.	
Crops	The p that people grow to e	
Network	The links or connections between p or p	

#### PHYSICAL FEATURES, LANDSCAPES AND THE ENVIRONMENT

GLOSSARY WORD	DESCRIPTION	EXAMPLE OF THE FEATURE IN THE ATLAS
Bay	A sheltered part of the coast where beaches form	Cardigan Bay
Estuary	The lowest part of a r where it opens out to the s	
Headland	A piece of I that juts out into the s	
National Park	An area of beautiful c where people can enjoy being out of doors and which is protected by l	
Ocean	Immense mass of s	

#### 75 UK Atlas Quiz

Name			
1 101116	 	 • • • • • • • •	 

How can I find places on a map?

1. Working from the atlas index, find the page which shows each place listed on the files below. Use the grid codes to help you find each place on the map and complete the empty boxes.

MOUNTAIN	Page	Mountain Range
Ben Macdui		
Snowdon		
Ben Nevis		
Slieve Donard		

RIVER	Page	Sea or bay it flows into
Severn		
Thames		
Humber		
Great Ouse		
Clyde		

ISLAND	Page	Country
Arran		
Anglesey		
Skye		
Isle of Wight		
Mull		
Isles of Scilly		

CITY	Page	Country
Edinburgh		
Cardiff		
Belfast		
Bristol		
Glasgow		
Nottingham		
Norwich		
Southampton		
Liverpool		
Swansea		
Leeds		

LAKE	Page	Nearest town
Loch Ness		
Windermere		
Lough Neagh		
Bala Lake		
Rutland Water		
Loch Tay		