

Name \_\_\_\_\_ Class \_\_\_\_\_

### Task: A guide to Helvellyn

Helvellyn is the third highest mountain peak in the Lake District (and the third highest in England). It stands 950 metres above sea level.

Many people come to walk and climb in the Lake District, and to enjoy some of the most spectacular glacial scenery in the UK.

Helvellyn is one of the Lake District's most popular destinations for walkers, who are often accompanied by expert guides. These guides describe the distinctive features of the landscape and explain the processes that formed them.

Your task is to produce a guide for walkers to help them understand what glacial landforms there are around Helvellyn, what they look like and how they were formed during the last ice age (over 20 000 years ago).

#### Unpicking the task

This assessment task is about understanding how the glacial processes of erosion and deposition created a range of glacial landforms in the Lake District. The major landforms and features around Helvellyn include:

- The Helvellyn Corrie, headwall and lip (marked by ground moraine)
- Red Tarn, a 25-metre deep glacial pool
- Striding Edge, an arête
- Thirlmere, a ribbon lake situated in a glacial trough or (U-shaped valley).

Your guide needs to provide walkers with:

- Accurate descriptions of the features named above
- Grid references to locate them on an OS map
- Explanations that are easy to understand about how the features were formed.

Your guide should be well designed and include maps, photos and diagrams.

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**How to be successful**

Use these key questions as a checklist to help you complete this assessment task successfully. As you complete your work, tick each box to make sure you have answered the question.

☐ Have I described the location of Helvellyn?

Have I identified these glacial features on the OS map:

☐ Helvellyn Corrie☐ Red Tarn☐ Striding Edge☐ Thirlmere☐ Have I described the glacial features above (including their size and shape)?☐ Have I explained the processes of glacial erosion and deposition?☐ Have I explained how glacial erosion and deposition created the glacial features?**Special resources**

Use resources A–C of this pack to help you in your assessment task.

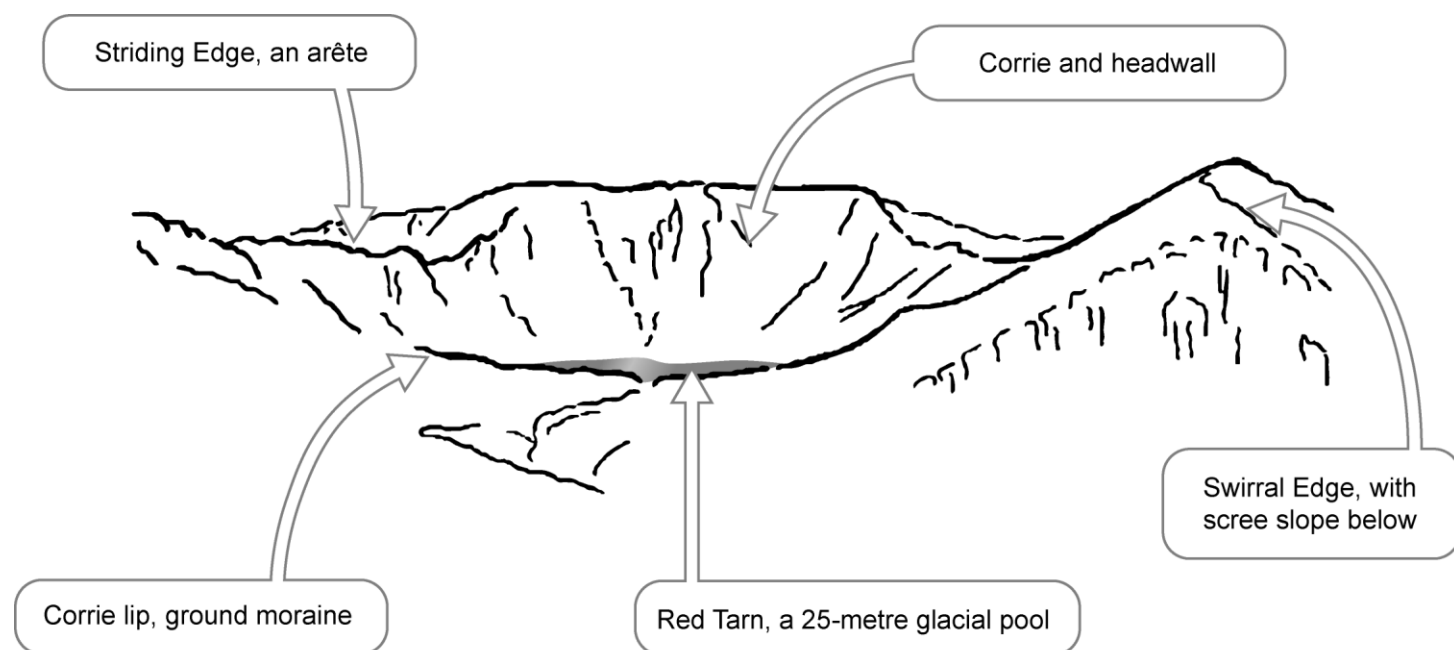
**Other resources**

- *geog.1 student book*, pages 66–75
- Search the internet for additional information and photos. Search using terms such as Helvellyn, Striding Edge and the Lake District National Park.

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**A** Location of Helvellyn and the Lake District National Park.



**B** Glacial features of Helvellyn.

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Section of OS map of Helvellyn area at 1:25000 scale  
*TO FOLLOW*

**C** OS map of Helvellyn (scale 1:25 000)

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## Mark scheme

Once you have completed your assessment task, use this mark scheme to check what level you have achieved.

Assessment criteria	Level 2 / 3 / 4	Level 5 / 6	Level 7 / 8
	Beginning / Developing	Securing	Extending
<b>Remembering</b>	<p>I have:</p> <ul style="list-style-type: none"> <li>described the location of Helvellyn</li> <li>identified the glacial features in the area</li> </ul>	<p>I have:</p> <ul style="list-style-type: none"> <li>accurately identified the location of glacial features around Helvellyn using a map</li> <li>used specific detail to describe the shape and size of the glacial features</li> </ul>	<p>I have:</p> <ul style="list-style-type: none"> <li>identified the type and position of a wider range of glacial features around Helvellyn</li> <li>described the glacial features using specific geographical detail</li> </ul>
<b>Understanding</b>	<p>I have:</p> <ul style="list-style-type: none"> <li>described how ice erodes the land</li> <li>described how ice moves rock debris</li> <li>described how ice deposits rock debris</li> <li>used some geographical terms to describe a glacial landscape</li> </ul>	<p>I have:</p> <ul style="list-style-type: none"> <li>explained how glaciers erode rock material using specific processes</li> <li>explained how glaciers transport rock debris</li> <li>explained how glaciers deposit rock debris</li> <li>used a good range of geographical terms to describe the glacial landscape</li> </ul>	<p>I have:</p> <ul style="list-style-type: none"> <li>explained the importance of freeze-thaw weathering in glacial environments</li> <li>fully explained how ice erosion processes shaped the land</li> <li>explained how processes of ice deposition can occur in different parts of a glacial landscape</li> <li>explained how water can be trapped within a glacial feature</li> <li>used a wide range of geographical terms to describe the landscape</li> </ul>
<b>Applying</b>	<p><i>In order to achieve above Levels 3 and 4 you must be able to show you can apply and analyse your knowledge and understanding of glaciers.</i></p>	<p>I have:</p> <ul style="list-style-type: none"> <li>explained how glaciers erode rock material using specific processes</li> <li>explained how glaciers transport rock debris</li> <li>explained how glaciers deposit rock debris</li> <li>used a good range of geographical terms to describe the glacial landscape</li> </ul>	<p>I have:</p> <ul style="list-style-type: none"> <li>explained the importance of freeze-thaw weathering in glacial environments</li> <li>fully explained how ice erosion processes shaped the land</li> <li>explained how processes of ice deposition can occur in different parts of a glacial landscape</li> <li>explained how water can be trapped within a glacial feature</li> <li>used a wide range of geographical terms to describe the landscape</li> </ul>

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Assessment criteria	Level 2 / 3 / 4	Level 5 / 6	Level 7 / 8
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<b>Analysing</b>	<i>In order to achieve above Levels 3 and 4 you must be able to show you can apply and analyse your knowledge and understanding of glaciers.</i>	I have: <ul style="list-style-type: none"> <li>identified glacial features using map evidence</li> <li>described glacial features using map evidence</li> <li>produced diagrams to illustrate how ice processes eroded the land into distinctive shapes</li> </ul>	I have: <ul style="list-style-type: none"> <li>fully explained how a wide range of glacial features have been created</li> <li>explained how features of erosion and deposition can exist within the same glacial landscape</li> </ul>
<b>Evaluating</b>		<i>In order to achieve above Levels 5 and 6 you must be able to show you can evaluate and creatively use your knowledge and understanding of glaciers.</i>	I have: <ul style="list-style-type: none"> <li>assessed and explained the extent to which erosion and / or deposition dominates the glacial features around Helvellyn</li> <li>justified the design of the walkers' guide, which uses a range of presentation styles</li> </ul>
<b>Creating</b>		<i>In order to achieve above Levels 5 and 6 you must be able to show you can evaluate and creatively use your knowledge and understanding of glaciers.</i>	I have: <ul style="list-style-type: none"> <li>provided information in a logical sequence as part of a walking tour</li> <li>explained how one glacial landscape can contain many features resulting from ice erosion and deposition</li> </ul>

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**Feedback form**

Once you have finished your assessment task, complete the self-assessment part of this form. Your teacher will add comments to the teacher parts.

**Student self-assessment**☐

I think I completed this task successfully.

☐

I think I could have completed this task better.

What went well...?

Even better if...?

**Teacher assessment**

Level / GCSE grade indicator / Performance (see mark scheme)

Comment

How to improve

**Teacher comment**

Communication

Literacy

Numeracy