

# Gortmaconnell

## Student Sheet



### General instructions to students:

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1. Note the main risks at the site when you arrive.
2. Respect the geological code of conduct at all times, do not disturb wildlife, close gates, do not remove rocks from the site.
3. Before leaving the minibus, check that you have suitable clothing and footwear and the equipment to record your field observations:
  - ✓ Pencils
  - ✓ Clipboard
  - ✓ Task sheet (can vary)
4. Stay close to the teacher in charge at all times. Stay on the paths at each site at all times as all sites are in close proximity to bodies of water. The Cuilcagh Dyke can only be accessed in low water flow and should not be attempted at any other time. The Cuilcagh Dyke should also not be viewed from the bank above due to the danger posed by the overhanging ledge. Should the Cuilcagh Dyke be visited then please be aware of slippery rocks and take careful instruction from the teacher in charge. Be aware of farm traffic, and be mindful that this is a working farm environment and be aware of the dangers that this presents.
5. Try and complete your observations in as much detail as possible. Listen to the teacher as they explain what you are looking at and ask questions if you are unsure about any aspects of these sites.

Tasks to be completed:

Task	Description	Completed (tick)
1	(a) Examine the risks/hazards at this site and (b) Describe how they might be reduced.	<input type="checkbox"/>
2	<b>Gortmaconnell Rock</b> (a) Draw a labelled sketch of the view from Gortmaconnell Rock. (b) Describe how Lough MacNea formed.	<input type="checkbox"/>
3	Describe chert and how it differs from limestone.	<input type="checkbox"/>
4	<b>Cuilcagh Dyke</b> (a) Draw a labelled sketch of the Cuilcagh Dyke including the contact between the dolerite and the limestone. (b) Describe how the Cuilcagh Dyke formed.	<input type="checkbox"/>
5	Give 2 pieces of evidence that the Meenymore Formation formed in a semi-arid tidal flat environment.	<input type="checkbox"/>
6	(a) Draw a labelled sketch of the ripple marks indicating the direction of palaeocurrent. (b) What is the direction of palaeocurrent?	<input type="checkbox"/>
7	Describe the succession of sedimentary rocks at Gortmaconnell including their depositional environment starting with the oldest.	<input type="checkbox"/>

Name

Location

Gortmaconnell

1a. List of risks/hazards:

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1b. How to reduce risks/hazards:

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2a. Draw a labelled sketch of the view from Gortmaconnell Rock:



2b. Describe how Lough MacNea formed:

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3. Describe chert and how it differs from limestone:

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Name

Location

Gortmaconnell

4a. Draw a labelled sketch of the Cuilcagh Dyke including the contact between the dolerite and the limestone (NB Only carry out this activity if the water level is low) :



4b. Describe how the Cuilcagh Dyke formed:

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5. Give 2 pieces of evidence that the Meenymore Formation formed in a semi-arid tidal flat environment:

Evidence 1:

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Evidence 2:

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