

# Clachtoll

## 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/fossils or sand from the site.
3. Before leaving transport, check that you have suitable clothing and footwear and the equipment to record your field observations:
  - ✓ Pencils
  - ✓ Clipboard
  - ✓ Task sheet
  - ✓ Clinometer if available
4. Stay close to your teacher/supervisor at all times. (Include site specific hazards if required, water / cliffs etc)
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 the site.

Tasks to be completed:

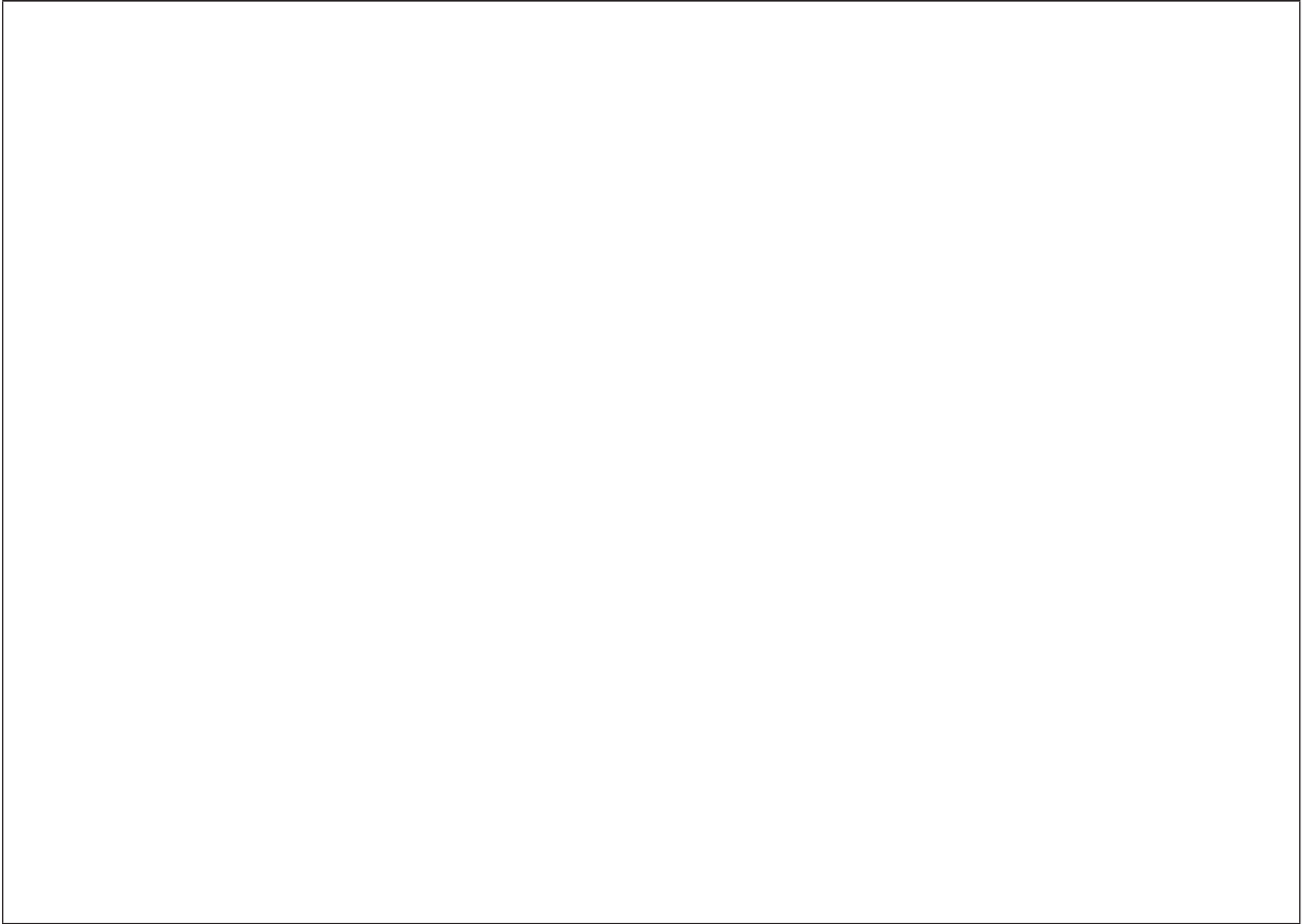
Task	Description	Completed (tick)
1	At Site 1- Sketch the outline of the Split Rock across the bay. Mark on key features	<input type="checkbox"/>
2	Suggest how the Split Rock may have formed. Did the block become disconnected from the rest of the layer?	<input type="checkbox"/>
3	At Site 2- Observe the mudstone, making notes of what you see. Identify the original layers that the mud was deposited in. They would have been horizontal originally, which way do they slope now?	<input type="checkbox"/>
4	At Site 2- Consider the size of the grains which make up the mudstone rock. Do you think the original sediment settled out in a river or still water in a lake? Explain your answer.	<input type="checkbox"/>
5	At Site 2 - There are small cracking patterns in the rock. What are these known as locally? And what caused this pattern to form?	<input type="checkbox"/>
6	At Site 3- Describe the join between the gneiss and the sedimentary rocks.	<input type="checkbox"/>
7	At Site 3- How much slope (dip) is there on the layers in the gneiss? You can estimate this or use any instruments that you have available.	<input type="checkbox"/>
8	At Site 4- Draw the hillside and mark in the areas of gneiss and breccia.	<input type="checkbox"/>

Name

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1. At Site 1 - Sketch the outline of the Split Rock across the bay. Mark on key features



2. Suggest how the Split Rock may have formed. Did the block become disconnected from the rest of the layer?

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3. At Site 2 - Observe the mudstone, making notes of what you see. Identify the original layers that the mud was deposited in. They would have been horizontal originally, which way do they slope now?

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4. At Site 2 - Consider the size of the grains which make up the mudstone rock. Do you think the original sediment settled out in a river or still water in a lake? Explain your answer.

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5. At Site 2 - There are small cracking patterns in the rock. What are these known as locally? And what caused this pattern to form?

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6. At Site 3- Describe the join between the gneiss and the sedimentary rocks

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7. At Site 3 - How much slope (dip) is there on the layers in the gneiss? You can estimate this or use any instruments that you have available.

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8. At Site 4 - Draw the hillside and mark in the areas of gneiss and breccia.

