

Brufjell

Student Sheet



General instructions to students:

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
4. Stay close to your teacher/supervisor at all times.
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	<p>a. How do you think the fjord Åna has been formed? Describe your theory/theories.</p> <p>b. Look at a geological map and study the dykes cutting across the fjord. Do you see something deviant? What do you think is the reason for this?</p>	<input type="checkbox"/>
2	<p>a. Find an area of 30x30 cm on the cobble beach in Sandvika. Measure the diameter on the rocks within the area. Make notes and draw up a diagram with the diameter groups of >1 cm, 1-5 cm, 6-10 cm and <1 cm.</p> <p>b. What form do the cobbles have and why? Give your theory.</p>	<input type="checkbox"/>
3	<p>a. Observe the rocks around you. What makes these different from the rocks in Sandvika? (think form, size, rock type etc.)</p> <p>b. How did these rocks end up here?</p>	<input type="checkbox"/>
4	<p>a. Look at the boulder and describe it. What makes it different from the rocks in exercise 3? (Think location, form, rock type etc.)</p> <p>b. How did this rock end up here? Where did it come from? Present your theory.</p>	<input type="checkbox"/>
5	Task	<input type="checkbox"/>
6	Draw	<input type="checkbox"/>
7	Task	<input type="checkbox"/>
8	Task	<input type="checkbox"/>

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1a. How do you think the fjord Åna has been formed? Describe your theory/theories.

1b. Look at a geological map and study the dykes cutting across the fjord. Do you see something deviant? What do you think is the reason for this?

2a. Find an area of 30x30 cm on the cobble beach in Sandvika. Measure the diameter on the rocks within the area. Make notes and draw up a diagram with the diameter groups of >1 cm, 1-5 cm, 6-10 cm and <1 cm.



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2b. What form does the cobbles have and why? Give your theory.

3a. Observe the rocks around you. What makes these different from the rocks in Sandvika? (think form, size, rock type etc.)

3b. How did these rocks end up here?

4a. Look at the boulder and describe it. What makes it different from the rocks in exercise 3? (Think location, form, rock type etc.)

4b. How did this rock end up here? Where did it come from? Present your theory.

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7. Study the rocks under the rock shelter. Do you observe something different with these rocks? Describe what you see.

8. Make your own explanation to the formation of the Brufjellhålene. Make sketches to describe.

