

What does *Marchantia* look like?

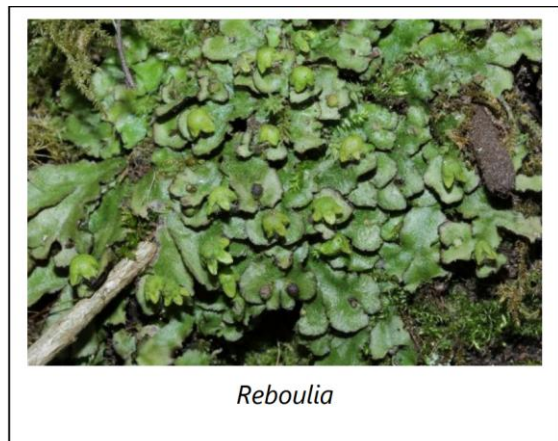
Flat, bright- to dark-green thalli on soil, rock, or concrete.

Small round cups and umbrella-like sex organs are typical.

In our analysis, we use all *Marchantia polymorpha* subspecies.

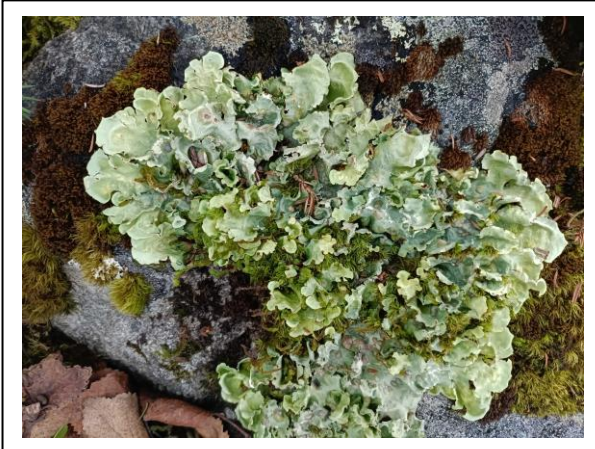


Similar plants



Other liverworts, such as *Conocephalum* and *Reboulia*, look similar but do **not** form round-shaped cups. Any liverworts with round cups are very likely *Marchantia*.

Lichens



Some lichens resemble *Marchantia* at first glance

However:

- They **do not form gemma cups**
- They lack tissue on the underside

Marchantia has root-like structures (rhizoids) on the underside called

If uncertain, feel free to send a photo to hiromu.nakao@gmi.oeaw.ac.at for confirmation.

Where can they be found? (in general)

- Prefer moist, not very dry conditions
- Usually not under direct sunlight
- Often near people/disturbance: gardens, paths, walls, drains
- They form patches ranging from palm-sized to ground-covering mats
- iNaturalist can help locate records in your area:

https://www.inaturalist.org/observations?subview=map&taxon_id=56406

Where can they be found? (Arctic and subarctic)



We currently have limited experience in these regions, but observations suggest:

- Found in **moist, exposed areas**, often near water
- Example: a patch discovered along a roadside in **Lofoten Islands** (photo above)

How to collect & send

- Collect a **small patch**
- **Important:** include **gemma cups** (used for propagation)
- A sample with ~5 gemma cups is sufficient (like the Lofoten photo above)
- Remove as much soil as possible
- Avoid mold:
 - Do not let samples become soggy (blot excess water if needed)
 - Avoid sealing completely in plastic (short-term is usually fine)
- Place between papers, then into a normal paper envelope or other breathable sleeve
- Label each sample: date, location (GPS if possible)
- In this condition they typically stay healthy for 2~ weeks
- If possible, keeping them cool would help them last longer
- Shipping: a normal paper envelope works well
- Shipping costs reimbursed (PayPal, bank transfer, or other methods)
- All contributors will be acknowledged in future publications

Shipping address:

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