

# Microplastic sampling



**Write out your sampling strategy:**

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## Steps for sampling microplastics

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1. Decide where you want to sample from your Arctic region. Record a description of the sample in your data table.
2. Extract the ice sample from the tray using a spoon. Crush the ice using your hands, carefully keeping all the pieces of microplastic.
3. Label a piece of filter paper with the sample number. Continue to crush the ice sample and collect the microplastic pieces on the filter paper.
4. Count the number of microplastics in the sample. Record the number in your data table.
5. Repeat the steps with each of your samples.
6. Then use the quantity of microplastics you found in your samples to help you estimate the total quantity of microplastics in your Arctic region. Remember you sampled only a small part of your region, so you'll have to do some calculations to estimate the amount of microplastics in the region.

**Quantity of microplastics in sample**

Sample number	Description	Amount of microplastics (pieces)
1		
2		
3		
4		

**Quantity of microplastics in the Arctic region:**

Show your calculations. Then check with your teacher.

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