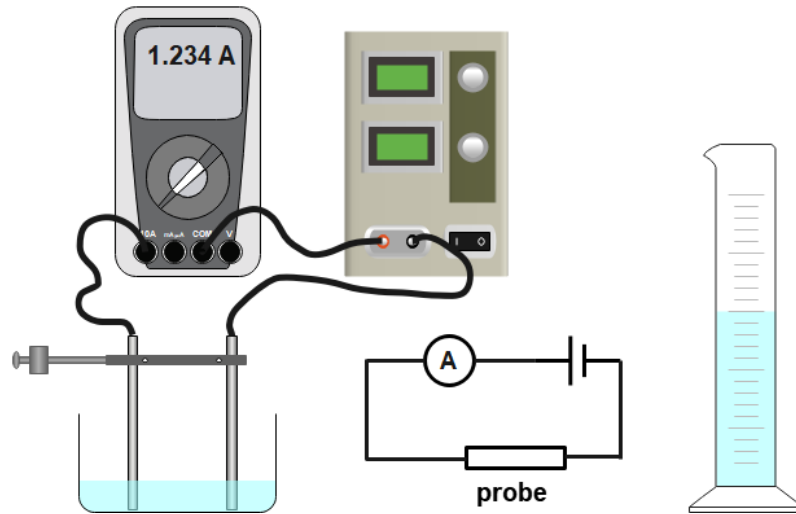





Use an ammeter to test drinkability of water.

You may have already heard that clean water has no electric conductivity. That's because there are no particles in it, able to carry electrical loads. So a measurable conductivity indicates dissolved ions in the water. As conductivity is a colligative property, there is a simple, nearly proportional rule: The more ions are in the water, the higher conductivity or the less resistance it has.



T1) Talk together and try to figure out a setup for testing the conductivity of water. You can control yourself step by step via the QR-Codes.

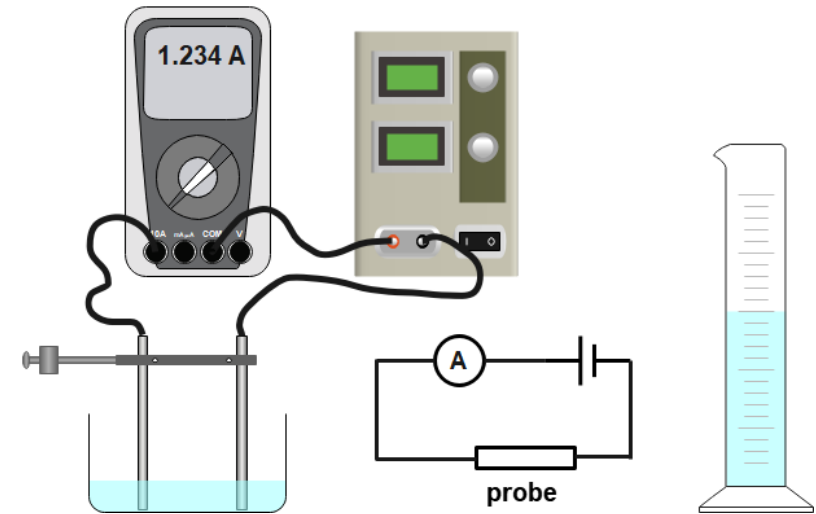
Step 1 – The Setup	Step 2 – The principle	Step 3 – Tuning
		

T2) Diskuss critical aspects you have to take a look at, especially:




- The need of fixed dimensions of your arrangement.
- The comparability of your measurements.
- How to cleanup and prepare for a new measurement.

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