

Salinity is the amount of salt dissolved in water.

You measure salinity with a salinity probe.

The probe records the number of salt particles dissolved in water as parts per million (ppm). It also measures water temperature.

You will need

- safety glasses
- salinity probe
- 250 mL beaker
- water samples such as: tap, deionized, bottled, filtered, pond, swimming pool



Safety

Wear safety glasses when using liquids.

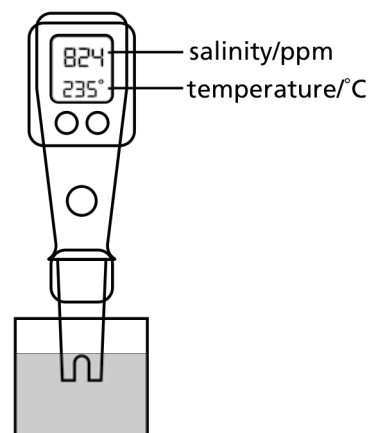
Take care when using hot liquids!

What to do

1. Put 150 ml of tap water in a 250 ml beaker.
2. Take cap off the probe, and turn it on.
3. Put probe in the water sample.
4. Gently stir sample with the probe.
5. Read the ppm measurement and write it in the table.
6. Read, and write in temperature of the sample (temperature affects salinity).
7. Rinse the probe with tap water (keep away from the sample) to stop contamination.
8. Repeat for all samples.

Tech tip

Make sure the probe stays in the liquid.



Results table

Fill in all columns of this table.

WATER SAMPLE	SALINITY (ppm)	TEMPERATURE (°C)
tap water		

Question:

1. Use **Appendix N: Interpreting results**, and write a comment about the quality of your water samples.

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