**Activity Worksheet: Water-Tasting**

**Introduction:**

Many students have the prejudice that water (unlike other drinks) tastes like nothing. That's not true! Water tastes different, depending where it comes from. Tapwater from your place tastes completely different to water from next town or even from another country.

**Target group:** primary school, secundary schools

**Learning goals:** (tap)water is tasty

**Time needed:** 30 minutes

**Tools and materials needed:**

* Instruction sheet
* Tasting sheet for each student (see next page)
* 1 jug with still mineral water 1 = sample A
* 1 jug of still mineral water 2 = sample B
* 1 jug of still mineral water 3 = sample C
* 1 jug of fresh tap water = sample D
* cups / glasses for for each student
* map with marking of the origin of the 4 water samples (optionally)

The temperature of the 4 water samples should be the same.

**What to do:**

Students try tap water and three still mineral waters from different regions. The mineral waters should be still, as carbon dioxide drowns out the taste.

During the tasting, the differences in taste of different waters become aware. Which water tastes the best depends very much on individual experiences and preferences and is quite different. More intense taste (saltier, sour) have waters with a high mineral content. Even in tap water there are regional differences in mineral content. Water with a high calcium or magnesium content (“hard water”) is usually judged to be more tasty than soft water.

Pupils/students love tasting and are very focused and sensitive. So often the difference in taste of mineral water from plastic and glass bottles is named.

**Worksheet for students** - see next page.

**Hungry Minds:**

Video „How to taste water“: <https://www.youtube.com/watch?v=e_RPB1Tb1mI>

WikiHow: „How to Love the taste of water“ <https://www.wikihow.com/Love-the-Taste-of-Water>

**Worksheet: What does water taste like?**

* You have 4 different water samples (A, B, C, D). Try one after the other.
* Start with the sample A. Pour some water in your cup. Smell it first and then take a sip in your mouth. What do you taste?
* Continue with Sample B to D. Can you mention differences? Which water tastes best to you?

Judge the water samples:

Does it taste salty, sour, bitter or sweet?

Do you perhaps taste something else?

Does the water taste good to you? Does it taste less good?

Tick ​​your result!

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | ***sweet*** | ***salty*** | ***sour*** | ***bitter*** | **** | **** | **** |
| **A** |  |  |  |  |  |  |  |
| **B** |  |  |  |  |  |  |  |
| **C** |  |  |  |  |  |  |  |
| **D** |  |  |  |  |  |  |  |

My favorite water is …………………………………